Certificate Course On

Shell Programming

07/10/2021 to 30/10/2021

Coordinators: Smt. B. Manorama Devi

Smt. V. Sudha

(UGC - AUTONOMOUS) Kadapa, Andhra Pradesh, India - 516003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution



Lr./KSRMCE/ (Department of CSE)/2021-22

Date: 20/10/2021

To The Principal KSRM College of Engineering Kadapa, AP.

Sub: KSRMCE - (Department of CSE) - Permission to conduct certification course on Shell Programming - Requested - reg.

___***___

Respected Sir,

With reference to the cited, the Department of CSE is planning to conduct certificate course on "Shell Programming" for B.Tech V Sem students from 07/10/2021 to 30/10/2021. So I request you to grant permission to conduct the certificate course. This is submitted for your kind perusal.

Thanking you sir,

forwarded to the principal his,

Yours Faithfully,

B. Manorama Devi,

Assistant Professor,

CSE Dept.,

V. Sudha

Assistant Professor,

CSE Dept.,

Cc:

To The Director for Information

To All Deans/HODs

Permilled my



(UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India-516 003



An ISO 14001:2004 & 9001: 2015 Certified Institution



Date: 04.10.2021

Cr./KSRMCE/CSE/Problem Solving using Algorithms/ 2021-22

Circular

All the B. Tech V semester Students of KSRMCE are hereby informed that Department of CSE is going to conduct a certificate course on "Shell Programing". The course is scheduled from 07th October 2021 to 30th October 2021 in PG Block 207 (BDA Lab). The resource persons for the certificate course are Smt. B. Manorama Devi and Smt. V. Sudha, faculty of Department of CSE, KSRMCE.

In this connection, Interested B. Tech V Semester students of KSRMCE are instructed to register their names in the Department.

Coordinators:

Smt. B. Manorama Devi, Assistant professor, Dept. of CSE, KSRMCE.

Smt. V. Sudha, Assistant professor, Dept. of CSE, KSRMCE.

HOD

Cc to:

The Management / Director / All Deans/All HoDs/staff/ Students for Information

The IQAC Cell for Documentation





(UGC - AUTONOMOUS) Kadapa, Andhra Pradesh,India - 516003 Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Department of Computer Science & Engineering Certificate Course on Shell Programming Registration Form

C No	Roll.No.	Name of the Student	Branch	Sem	Signature	\
S.No.	Roll.No.	Name of the Student	Dianen	Sem	1	\
1	19941A0501	A. Hazi Karishna	CSE	V Sem	A. Han	
2	19971 A0502	A. Pravankywar	CSE	v som	A. Burk	~
3	19941A050	3 A. Larahni Naviasimha Gum	apathi CSI	5th som		s. Geraphi
4	19941A0504	A. Lalitha	CSE	V Sem	A Lolitha	
5	1994100 505	A. Pavan Kalyan	CSE	5th som	A. Pavaran	Kalgan
6	1994140506	A.K. Venkata lokelle	cst	5 th sen	Ak. Volu	1,
7	19981A0507	A · Rukanini	CSE	Vsem	A. Reyfor	
8	8020A16991	ARAVA Janarolhan Reddy	CSE	1 Sem	AJR	-
9	19941A0509	A. Dinesh	CSE	VSem	A. Dived	
10	19991A0510	A. Likitha	CSE	VSem	A. Mari	
11	1994120511	-A. Mahesh Cemas	CSE	Vsem	A. Mahesh.	
12	19941ADS12	A.S. Titywar Riddy	ese	Vsem	AS Jos	
13	19941 A0513	13. SIVA CHANDRI WA	CSE	V SEM	B. Chandrika	
14	19941A0514	B. Adarsh	CSE	vsem	B. Adarsh	
15	19941A0515	B sathing	CLE	VScm	B Lather	
16	19941A0516	B. Dineswar Reddy	CSE	Vseur	B. Dinesh	
17	1994/A0517	B. Sumitra	CSE	Vsem	B. Symlfra	3
18	19941A0518	B. Kavya	CSE	V. Sem	B. Karya	4
19	199V1A0519	B. Sheha Latha	CSE	V Sem	B. Spehelots	<u> </u>
20	19941A0520	1	CSE	Vsem	B. Lateston	8
21	19941A0521	73. Sai Suoya Teja Red	y CSE	V Sem	B. Sai Suory	Teja Redy
22	1994140522	B.Sq. surgatia	CSE	Zsem	B.Sei Surya	
23	19981A0523	B. Srinekhila	9E	Zsem	B. Johnstra	

24	19941A0524	B. pravelika	CSE	5 sem	B. Pravalit
25	1994/AODS	2. Hemasai	CIE	I sam	B. Luyens!
26	1994 1 AD 526	73. Chaithanya	CSE	V Sem	B. chaithanya
27	1994,A0527	c. Renuka.	Cst.	Vsem	Renuka,
28	1997/A0528	C. Rahul Vondhan Nai	du CSE	V Sem	C. Rahul
29	19941A0529	C. Thulasi	CSE	VSem	C. Thulasi
30	19941A0530	C. Jaya Sree	CSE	Vsem	C Jaga Stee
31	19991A0531	C. Bharzani	CSE	V Sen	C. Brazania
32	19941A0532	C. Sunil Kumar	CSG	v sem	C. Sunil Eumor
33	1994 1A0533	CAruna	CSE	2 sem	c. Anus
34	1994120534	C. Anil Kumar reddy	CSE	Vsem	CAnil
35	199YIA0535	Chowdam Sudheer Bah	CSE	5th Sen	C. Sudhear Bob
36	19941A053	6 C. Dhanani	CSE	VSem	
37	19941A0537	C.V. Hanuma Teja	CIE	vsem	C.V. Teja.
38	99941 A0538	D. Peepika	CSE	Vscm	D. Pec Pita
39	19941A0539	D. Gowthami	CSE	vem	D. Gowtlanj
40	199 Y1 A0540	D. Sudarhan	cst.	Estm	guill
41		D. HARI KRISHNA	CSE	V Sem	D. Hazi Korishha
42	그 경에 [[[[]] [] [] [] [] [] [] [Dindu Kunthi Tejonath	CSE	5th sem	D. Tejonath
43	19941A05UZ		CSE	5 sem	
		V			

Coordinator(s)

Dr. M. HODnivasulu,

M. E., Ph. D.
Professer & HOD CSE

K.S.R.M. College of Engineering
KADAPA-516003

SHLL PROGRAMMING

Course Overview:

This certificate course explains the fundamental ideas behind Open Source operating system approach to programming. Knowledge of Linux helps to understand operating system level programming. This course involves kernel concepts, basic commands and shell scripting.

Course Objectives:

- 1. To teach principles of operating system including file handling utilities, security by file permissions, disk utilities, process utilities, networking commands, filter commands.
- 2. To familiarize fundamentals of the shell, shell programming, pipes, input and output redirections, expressions, control structures, functions, loops, and debugging shell scripts.

Course Outcomes:

- 1. Ability to use various Linux Commands that are used to manipulate system operations.
- 2. Ability to write shell programming using Linux commands.
- 3. Ability to write shell scripts (shell programming) using functions, control statements and loops.

Module I:

Introduction to Linux Operating System: A brief history of Linux, architecture of Linux, Applications of Linux, survey of major distributions and system access.

Module II:

Linux Commands: Command syntax, who, whoami

Linux Directory Commands: pwd, mkdir, rmdir, ls, cd.

Linux File and File content Commands: touch, cat, rm, cp, mv, rename, head, tail, tac, more, and less.

Linux User Commands: su, id, usradd, passwd, groupadd.

Module III:

Linux Filter Commands: cat, cut, grep, comm, sed, tee, tr, uniq, wc, od, sort, gzip, gunzip. Linux Utility Commands: find, locate, fate, cal, sleep, time, zcat, df, mount, exit, clear, link, unlink, alias, unalias.

Linux Network Commands: ip, ssh, mail, ping, host.

Module IV:

Basic shell concept, types of shells, the shell as programming language, shell scripting, vi/vm editor, setup executable permissions, example shell scripts using shell commands, shell variables, user defined shell variables, shell arithmetic, the read statement, control structures: if, nested if-else-fi, the case statement.

Module V:

Functions, loops in shell scripts: for, while, until, break, continue, passing arguments to scripts, pipes.

Text Books:

- 1. Begining Linux Programming, 4th Edition, N. Matthew, R.Stones, Wrox, Wiley India Edition.
- 2. Shell Scripting, S.Parker, Wiley India Pvt. Ltd.
- 3. Unix and Shell Programming, B.A.Forouzan&R.F.Gilberg, Cengage Learning
- 4. Linux System Programming, Robert Love, O'Reily, SPD.

Web References:

- 1. www.advancedlinuxprogramming.com
- 2. www.tldp.org
- 3. www.gnu.org
- 4. www.kernel.org
- 5. www.linuxsecurity.com
- 6. https://nptel.ac.in/courses/117/106/117106113/

Dr. M. Sreenivasulu,

M. E., Ph. D.

Professer & HOD CSE

K.S.R.M. College of Engineering KADAPA - 516 003





(AUTONOMOUS)

Pulivendala Road, Kadapa-516 005 Andhra Pradesh, India

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Department of Computer Science & Engineering

Certificate Course on Shell Programming

Schedule

S.No	Date	Time	Faculty	Topic
1	07/10/2021	9:00AM- 4:00PM	Smt.B.Manorama Devi, Smt.V.Sudha & Sri.Md.Rahamathulla	Inaugration, Introduction to Linux Operating System, Basic Linux Commands, Linux directory commands, Linux file commands and file content
2	08/10/2021	9:00AM- 4:00PM	Smt.V.Sudha	commands, Linux user commands Linux filter commands, Introduction to shell programming: basic shell concept, types of shells, vi editor, setup execution
3	11/10/2021	9:00AM- 4:00PM	Smt.V.Sudha	permissions, example scripts, execute script. Shell variables, user defined variables, read statement, shell arithmetic,
4	12/10/2021	9:00AM- 4:00PM	Smt.V.Sudha	expressions Arithmetic expressions, practical's
5	13/10/2021	4:00PM - 5:00PM	Smt.V.Sudha	Control structures, Loops: for, while and until, break, continue,
6	21/10/2021	4:00PM - 5:00PM	Smt.V.Sudha	Case statement, Practical's
7	22/10/2021	4:00PM - 5:00PM	Sri.Md.Rahamathulla	Functions
8	23/10/2021	4:00PM - 5:00PM	Sri.Md.Rahamathulla	Practical's
9	25/10/2021	4:00PM - 5:00PM	Sri.Md.Rahamathulla	Passing arguments to scripts
10	26/10/2021	4:00PM - 5:00PM	Sri.Md.Rahamathulla	Practical's
11	27/10/2021	4:00PM -	Smt.B.Manorama Devi	, pipes

		5:00PM		
12	28/10/2021	4:00PM - 5:00PM	Smt.B.Manorama Devi	Practical's
13	29/10/2021	4:00PM - 5:00PM	Smt.B.Manorama Devi, Smt.V.Sudha & Sri.Md.Rahamathulla	Exam
14	30/10/2021	4:00PM - 5:00PM	Smt.B.Manorama Devi, Smt.V.Sudha & Sri.Md.Rahamathulla	certificate distribution

Coordinator(s)

Dr. M. Sreenivasulu,
M. E., Ph. D.
Professer & HOD CSE K.S.R.M. College of Engineering KADAPA - 516 003



(AUTONOMOUS)

Pulivendala Road, Kadapa-516 005 Andhra Pradesh, India



Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Department of Computer Science & Engineering

Certificate Course on Shell Programming

Attendance Sheet

S. No	Roll Num	Name of the Student	07/10	0/2021	08/10	0/2021	11/10	/2021	12 /10	/2021	13/10/2021	21/10/2021	22/10/2021	23/10/2021	25/10/2021	26/10/2021	27/10/2021	28/10/2021	29/10/2021	30/10/2021
			FN	AN	FN	AN	FN	AN	FN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
1	199Y1A0501	ADEMMAGARI HARI KRISHNA	P	P	P	A	P	Р	P	P	A	4	P	P	Р	P	P	Р	A	P
2	199Y1A0502	AKULA PRAVEENKUMAR	P	P	P	P	Р	A	P	P	P	P	P	Α	P	P	P	P	P	P
3	199Y1A0503	ALURI LAKSHMI NARASIMHA GANAPATHI	P	P	p	P	P	Ρ	A	P	P	P	P	· P	p	P	P	P	P	P
4	199Y1A0504	ALURU LALITHA	P	P	P	P	P	P	P	P	A	P	A	Р	P	Р	P	P	P	P
5	199Y1A0505	AMANCHI PAWAN KALYAN	P	P	P	P	P	P	p	A	Р	P	P	A	P	Р	P	P	P	P
6	199Y1A0506	ANDE CHINNA KONDAIAHGARI VENKATA LOKESH	P	P	P	A	P	P	Р	P	Р	P	P	Þ	A	ρ	P	P	A	P
7	199Y1A0507	ANNEM RUKUMINI	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P

																				Note that
8	199Y1A0508	ARAVA JANARDHAN REDDY	P	P	Р	P	P	P	A	P	P	P	A	P	P	P	P	Р	P	P
9	199Y1A0509	AVULA DINESH	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	А	P	P
10	199Y1A0510	AVULA LIKHITHA	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
11	199Y1A0511	AVULA MAHESH KUMAR	P	P	P	P	P	P	P	A	Р	P	P	A	P	P	P	P	A	P
12	199Y1A0512	AVULA SHESHAGALLA JITESWAR REDDY	P	P	P	P	A	P	P	P	Р	P	P	P	P	A	P	p	P	P
13	199Y1A0513	BADRI SIVA CHANDRIKA	P	P	P	P	P	P	P	P	Р	A	P	A	P	P	P	P	P	P
14	199Y1A0514	BALINENI ADARSH	P	P	P	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P
15	199Y1A0515	BANDAPALLI SATISH	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P
16	199Y1A0516	BANDARLA DINESWAR REDDY	P	P	P	Р	P	P	P	A	P	P	P	P	P	A	P	P	P	P
17	199Y1A0517	BANDARU SUMITHRA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	Α	P	P
18	199Y1A0518	BANKA KAVYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	199Y1A0519	BHARADWAJA SNEHA LATHA	P	P	P	P	P	P	P	P	P	P	P	A	P	Р	P	P	P	P
20	199Y1A0520	BIJIVEMULA LAKSHMI PRIYA	P	P	Р	P	P	A	P	P	A	P	P	P	Р	P	P	P	P	·P
21	199Y1A0521	BOMMEPALLI SAI SURYA TEJA REDDY	P	Р	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P
22	199Y1A0522	BORANAPU ANUSHA	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P
23	199Y1A0523	BUGGANA SRINIKHILA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
24	199Y1A0524	BUJAGANI PRAVALLIKA	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
25	199Y1A0525	BUKKAPATNAM HEMASAI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	А	P	P
26	199Y1A0526	BUSAGANI CHAITHANYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	199Y1A0527	CHALAMALA RENUKA	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P

											5_			18	10000					
28	199Y1A0528	CHALLA RAHUL VARDHAN NAIDU	P	Р	P	A	P	P	P	Р	P	A	P	P	P	P	A	P	P	Ρ
29	199Y1A0529	CHANDRA THULASI	P	P	P	. Ь	P	P	Α	Р	P	P	A	P	P	P	P	P	P	P
30	199Y1A0530	CHEEMALAPENTA JAYASREE	Р	P	P	P	P	A	P	P	P	4	P	P	P	P	P	P	A	P
31	199Y1A0531	CHEMIKALA BHARGAVI	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
32	199Y1A0532	CHILAKALA SUNIL KUMAR	P	P	P	P	P	P	P	P	A	P	P	.P	р	P	P	Δ	P	P
33	199Y1A0533	CHINTHALAPALLI ARUNA	P	Р	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
34	199Y1A0534	CHIRRAREDDYGARI ANIL KUMAR REDDY	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
35	199Y1A0535	CHOWDAM SUDHEER BABU	P	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P	P
36	199Y1A0536	CHUKKALURI DHARANI	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
37	199Y1A0537	DAGGUPATI VENKATA HANUMA TEJA	P	Р	P	P	P	P	P	P	A	P	P	A	þ	P	P	P	P	P
38	199Y1A0538	DANDU DEEPIKA	P	P	P	P	P	P	P	P	P	P	P	P	p	P	P	Р	P	P
39	199Y1A0539	DASARI GOWTHAMI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P
40	199Y1A0540	DASARI SUDHARSHAN	P	P	P	P	P	P	P	P	P	P	P	P	p	P	p	P	P	P
41	199Y1A0541	DHARMAPURI HARI KISHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	199Y1A0542	DINDU KURTHI TEJONATH	P	P	P	P	A	P	P	P	P	P	P	p	P	P	P	P	A	P
43	199Y1A0543	DODDI LINGAIAH	P	P	P	Α	P	P	P	P	P	P	P	A	p	P	P	P	P	P



Dr. M. SreenivoSulu,
M. E., Ph. D.
Professer & HOD CSE

K.S.R.M. College of Engineering
KADAPA-516 003



(UGC - Autonomous)

Kadapa, Andhra Pradesh, India-516 003 Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATION COURSE ON SHELL PROGRAMMING

RESOURCE PERSONS:

SMT, B.MANORAMA DEVI SMT.V.SUDHA SRI.MD.RAHAMATHULLA CO-ORDINATORS:

SMT.B.MANORAMA DEVI SMT.V.SUDHA



DATES OF EVENTS: 7/10/21 TO 30/10/21

Dr. M. Sceeniversals

DR. V.S.S. MURTHY

PROF. A. MOHAN

Dr. Kandula Chandra Obul Reddy

SMT. K. RAJESWARI (Correspondent Secretary, Treesurer) SRI K. MADAN MOHAN REDDY

SRL K RAJA MOHAN REDDY





Ksrmceofficial



www.ksrmce.ac.in



(1) 8143731980, 8575697569





(AUTONOMOUS)

Pulivendala Road, Kadapa-516 005 Andhra Pradesh, India

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

ACTIVITY REPORT

Certification Course

On

"SHELL PROGRAMMING"

7th October, 2021 to 30th October, 2021

Target Group

Students

Details of Participants

43 Students

Co-coordinators

Smt.B.Manorama Devi

Asst. Prof, Dept. of CSE

Smt. V. Sudha

Asst. Prof, Dept. of CSE

Organizing Department

: Department of Computer Science & Engineering

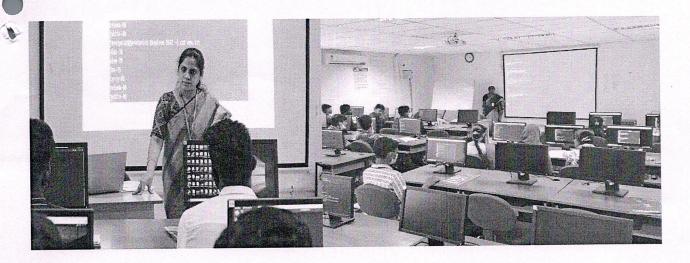
Venue

:BDA Lab(PG-207)

Description: Certification course on "SHELL PROGRAMMING" was organized by Dept. of CSE from 7th October 2021 to 12thOctober 2021 at PG-207. Smt. B. Manorama Devi & Smt. V. Sudha acted as Course coordinators and resource persons. The main aim of the course is to create awareness among students on the fundamental ideas behind Open Source operating system approach to programming. Knowledge of Linux helps to understand operating system level programming. This course involves kernel concepts, basic commands and shell scripting. Thirty Hours course was successfully completed and participation certificates were provided to the participants.

Photos:



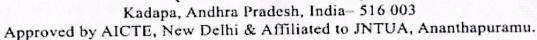


Coordinator

Dr. M. HODenivasulu, M. E., Ph. D.
Professer & HOD CSE K.S.R.M. College of Engineering KADAPA - 516 003



(UGC - Autonomous)





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

This is to certify that	ıt Mr/Miss	Dank Krimaki radion and
bearing Roll Number.	1797/1405643	_ participated in a
certification course or		
department of Comp	uter Science an	d Engineering from
07-10-2021 to 30-10-2	021.	
due.	de la	V.s.s. Musly
COORDINATOR(S)	HOD	PRINCIPAL



(UGC - Autonomous)

Kadapa, Andhra Pradesh, India-516 003 Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

This is to certify that	Mr/Miss	A. Ponavoon Kumaan
		participated in a
certification course on	"Shell Prog	ramming" organized by
department of Compu	iter Science	and Engineering from
07-10-2021 to 30-10-20	21.	
Swee.	A STATE OF THE PARTY OF THE PAR	V.s.s. Musly
COORDINATOR(S)	HOD	PRINCIPAL





(UGC - Autonomous)

Kadapa, Andhra Pradesh, India-516 003
Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

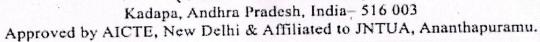
KSNR lives on.

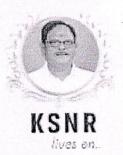
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

This is to certify that	ıt Mr/Miss	Banka	Kanya
bearing Roll Number.	199YIA0518	part	icipated in a
certification course or	n " Shell Progr a	amming"	organized by
department of Comp	uter Science	and Eng	ineering from
07-10-2021 to 30-10-2	021.		
Sue.	A second residence of the second seco	· <u>V</u>	s.s. Musly
COORDINATOR(S)	HOD	P	RINCIPAL



(UGC - Autonomous)





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

		[18] 18 - 18 - 18 - 18 - 18 - 18 - 18 - 1
This is to certify tha	t Mr/Miss	D. Lingoich
bearing Roll Number.	1997/A05043	participated in a
certification course or	n "Shell Progr	amming " organized by
department of Comp	uter Science	and Engineering from
07-10-2021 to 30-10-2	021.	
Sue.	Commence of the second	V.s.s. Muly
COORDINATOR(S)	HOD	PRINCIPAL

Feedback form on Certificate Course

Shell Programming (07/10/2021 to 30/10/2021)

* Re	quired
1.	Roll Number *
2.	Name of the Student *
3.	B.Tech Semester *
	Mark only one oval.
	I Sem
	II Sem
	III Sem
	IV Sem
	V Sem
	VI Sem
	VII Sem
	VIII Sem

4.	DITICIT *
	Mark only one oval.
	Civil Engineering
	EEE
	◯ ME
	□ ECE
	CSE
	AI&ML
5.	Email ID *
٥.	
6.	Is the course content met your expectation. *
	Mark only one oval.
	Yes
	No
	Later to the second of the sec
7.	Is the lecture sequence well planned? *
	Mark only one oval.
	Yes
	◯ No
0	The contents of the course are explained with examples *
8.	The contents of the course are explained with examples. *
	Mark only one oval.
	Agree
	Moderate
	strongly agree

9.	Is the level of course high. *
	Mark only one oval.
	Agree
	Moderate
	strongly agree
10). Is the course exposed you to the new knowledge and practice. *
	Mark only one oval.
	Agree
	Moderate
	strongly agree
1	I. Is the lecture clear and easy to understand? *
	Mark only one oval.
	\bigcirc 3
	\bigcirc 4
	5
1	2. Rate the value of the course increasing your skills. *
	Mark only one oval.
	2
	\bigcirc 3
	4
	5
N	ote: 1. Below average 2. Average 3. Good 4. Very Good 5. Excellent

13. Any Issues

This content is neither created nor endorsed by Google.

Google Forms







(UGC - AUTONOMOUS)



Kadapa, Andhra Pradesh, India - 516003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

Department of Computer Science & Engineering

feedback form on shell programming.

N.	Email address	Name of the student	Year & Semester	Branch	Roll Num	your	Is the lecture sequence well planned	The contents of the course is explained with examples	Is the level of course high	Is the course exposed you to the new knowledge and practices	Is the lecturer clear and easy to understand	Rate the value of course in increasin g your skills	Any issues
S.No.	199Y1A0501@ksrmce		B.Tech v sem	CSE	199Y1A0501	Yes	Yes	Agree	Agree	Strongly agree	4	5	Nothing
2	199Y1A0501@ksrmce		B.Tech v sem	CSE		Yes	Yes	Agree	Agree	Strongly agree	5	5	Nothing
2	199Y1A0502@ksrmce		B.Tech v sem	CSE		Yes	Yes	Agree	Agree	Strongly agree	4	5	Good
3	199Y1A0503@ksrmce		B.Tech v sem	CSE	A	Yes	Yes	Agree	Agree	Strongly agree	5	5	nothing
- 4	199Y1A0504@ksrmce		B.Tech v sem	CSE		Yes	Yes	Agree	Agree	Strongly agree	5	5	Good
	199Y1A0505@ksrmce		B.Tech v sem	CSE	199Y1A0506	Yes	Yes	Agree	Agree	Strongly agree	4	5	very
			B.Tech v sem	CSE	199Y1A0507	Yes	Yes	Strongly agree	Agree	Strongly agree	4	3	Nothing
			B.Tech v sem	CSE	199Y1A0508	Yes	Yes	agree	Agree	Strongly agree	4	4	no
8	199Y1A0508@ksrmce		B.Tech v sem	CSE	199Y1A0509	Yes	Yes		Agree	Strongly agree	5	5	Nothing
9	199Y1A0509@ksrmce 199Y1A0510@ksrmce		B.Tech v sem	CSE		Yes	Yes		Agree	Strongly agree	5	5	Good
			B.Tech v sem	CSE		Yes	Yes	Agree	Agree	Strongly agree	5	. 4	Good
	199Y1A0511@ksrmce		B.Tech v sem	CSE	199Y1A0512	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
12		AVULA SHESHAGALLA	B.Tech v sem	CSE	199Y1A0513	Yes	Yes	agree	Agree	Strongly agree	3	5	Good
	199Y1A0513@ksrmce		B.Tech v sem	CSE	199Y1A0514	Yes	Yes	agree	Agree	Strongly agree	5	4	very
	199Y1A0514@ksrmce		B.Tech v sem	CSE	199Y1A0515	Yes	Yes	agree	Agree	Strongly agree	4		very
15	199Y1A0515@ksrmce	BANDARLA DINESWAR	B.Tech v sem	CSE		Yes	Yes	agree	Agree	Strongly agree	5	4	very
			B.Tech v sem	CSE		Yes	Yes	agree	Agree	Strongly agree	3	5	no
		BANDARU SUMITHRA	B.Tech v sem	CSE		Yes	Yes	agree	Agree	Strongly agree	4		nithing
	199Y1A0518@ksrmce		B.Tech v sem	CSE	199Y1A0519	Yes	Yes		Agree	Strongly agree	4		Good
		BHARADWAJA SNEHA	B.Tech v sem	CSE	199Y1A0520	Yes	Yes	0,0	Agree	Strongly agree	4		1 Good
	199Y1A0520@ksrmce		B.Tech v sem	CSE	199Y1A0521	Yes	Yes	Strongly agree	Agree	Strongly agree	4		Good
	199Y1A0521@ksrmce		B.Tech v sem	CSE	199Y1A0522	Yes	Yes	agree	Agree	Strongly agree	4		1 Good
	199Y1A0522@ksrmce		B.Tech v sem	CSE	199Y1A0523	Yes	Yes	agree	Agree	Strongly agree	5		1 Good
		BUGGANA SRINIKHILA	B.Tech v sem	CSE	199Y1A0524	Yes	Yes	Strongly agree	Agree	Strongly agree	5		4 Good
		20111011111	B.Tech v sem	CSE	199Y1A0525	Yes	Yes	agree	Agree	Strongly agree	5		Good
	199Y1A0525@ksrmce		B.Tech v sem	CSE	199Y1A0526	Yes	Yes	agree	Agree	Strongly agree			Nothing
	199Y1A0526@ksrmce		B.Tech v sem	CSE	199Y1A0527	Yes	Yes	agree	Agree	Strongly agree	The second secon		5 no
		CHALAMALA RENUKA	B.Tech v sem	CSE	199Y1A0528	Yes	Yes	agree	Agree	Strongly agree		3	4 no
	199Y1A0528@ksrmce			CSE	199Y1A0529	Yes	Yes	Strongly agree	Agree	Strongly agree		3	4 no
			B.Tech v sem	CSE	199Y1A0530	Yes	Yes	Strongly agree	-	Strongly agree			5 no
	199Y1A0530@ksrmce		B.Tech v sem	CSE	199Y1A0531	Yes	Yes	Strongly agree	Transfer to the transfer	Strongly agree			4 nothing
		CHEMIKALA BHARGAVI CHILAKALA SUNIL	B.Tech v sem	CSE	199Y1A0532	Yes	Yes	agree	Agree	Strongly agree	THE STATE OF THE S		Nothing





CALC.													100000000000000000000000000000000000000
33	199Y1A0533@ksrmce	CHINTHALAPALLI	B.Tech v sem	CSE	199Y1A0533	Yes	Yes	agree	Agree	Strongly agree	5	_	no
34	199Y1A0534@ksrmce	CHIRRAREDDYGARI	B.Tech v sem	CSE	199Y1A0534	Yes	Yes	agree	Agree	Strongly agree	5	4	Nothing
35	199Y1A0535@ksrmce	CHOWDAM SUDHEER	B.Tech v sem	CSE	199Y1A0535	Yes	Yes	agree	Agree	Strongly agree	5	4	Good
_			B.Tech v sem	CSE	199Y1A0536	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
_			B.Tech v sem	CSE	199Y1A0537	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
_			B.Tech v sem	CSE	199Y1A0538	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good
	199Y1A0539@ksrmce		B.Tech v sem	CSE	199Y1A0539	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good
_			B.Tech v sem	CSE	199Y1A0540	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good
_	199Y1A0541@ksrmce		B.Tech v sem	CSE	199Y1A0541	Yes	Yes	agree	Agree	Strongly agree	4	4	Good
_	199Y1A0542@ksrmce		B.Tech v sem	CSE	199Y1A0542	Yes	Yes	agree	Agree	Strongly agree	4	5	Good
	199Y1A0543@ksrmce		B.Tech v sem	CSE	199Y1A0543	Yes	Yes	agree	Agree	Strongly agree	4	5	Good

Dr. M. Sreenivasulu, M E., Ph. D.
Professer & HOD CSE K.S.R.M. College of Engineering

KADAPA - 516 003

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED / CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021 AWARD LIST

S.No Roll Number		Name of the Student	Marks Obtained		
1	199Y1A0501	Ademmagari Hari Krishna	10		
2	199Y1A0502	Akula Praveenkumar	18		
3	199Y1A0503	Aluri Lakshmi Narasimha Ganapathi	17		
4	199Y1A0504	Aluru Lalitha	16		
5	199Y1A0505	Amanchi Pawan Kalyan	19		
6	199Y1A0506	A.Venkata Lokesh	18		
7	199Y1A0507	Annem Rukumini	17		
8	199Y1A0508	Arava Janardhan Reddy	16		
9	199Y1A0509	Avula Dinesh	18		
10	199Y1A0510	Avula Likhitha	17		
11	199Y1A0511	Avula Mahesh Kumar	19		
12	199Y1A0512	Avula Sheshagalla Jiteswar Reddy	18		
13	199Y1A0513	Badri Siva Chandrika	09		
14	199Y1A0514	Balineni Adarsh	18		
15	199Y1A0515	Bandapalli Satish	16		
16	199Y1A0516	Bandarla Dineswar Reddy	18		
17	199Y1A0517	Bandaru Sumithra	17		
18	199Y1A0518	Banka Kavya	16		
19	199Y1A0519	Bharadwaja Sneha Latha	12		
20	199Y1A0520	Bijivemula Lakshmi Priya	17		
21	199Y1A0521	Bommepalli Sai Surya Teja Reddy	18		
22	199Y1A0522	Boranapu Anusha	18		
23	199Y1A0523	Buggana Srinikhila	17		
24	199Y1A0524	Bujagani Pravallika	19		
25	199Y1A0525	Bukkapatnam Hemasai	15		
26	199Y1A0526	Busagani Chaithanya	17		
27	199Y1A0527	Chalamala Renuka	14		
28	199Y1A0528	Challa Rahul Vardhan Naidu	18		
29	199Y1A0529	Chandra Thulasi	17		
30	199Y1A0530		19		
31	199Y1A0531	Chemikala Bhargavi	17		
32	199Y1A0532	Chilakala Sunil Kumar	16		
33	199Y1A0533	Chinthalapalli Aruna	17		
34	199Y1A0534	Chirrareddygari Anil Kumar Reddy	15		
35	199Y1A0535	Chowdam Sudheer Babu	18		
36	199Y1A0536	Chukkaluri Dharani	17		
37	199Y1A0537	Daggupati Venkata Hanuma Teja	16		
38	199Y1A0538	Dandu Deepika	16		
39	199Y1A0539	Dasari Gowthami	15		
40	199Y1A0540	Dasari Sudharshan	16		
41	199Y1A0541	Dharmapuri Hari Kishan	15		

42	199Y1A0542	Dindu Kurthi Tejonath	16
43	199Y1A0543	Doddi Lingaiah	9

Coordinator(s)

HoD CSE

Dr. M. Sreenivasulu,

M. E., Ph. D.

Professor & HOO CSE

K.S.R.M. College of Engineering

K.A.D.A.P.A. - 516 003

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON

SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021

ASSESSMENT TEST Name of the Student:

R	oll Number: _		Name o	of the Student:		
	Time: 20 Min	following Ou	(Objections and each	tive Questions) h question carries one mark.	M	lax.Marks:20
110	ic. Allswer the	, tollowing Qui	estions and cac	in question earries one mark.		
1.	Which of the programming		be used to oper	a file for reading and makin	g chang	ges in shell
	a) r+		c) r	d) w	L	1
2.	In Linux, whi	ch option of rn	n command is u	used to remove a directory wi	ith all it	s subdirectories?
	a) -b	b) –o	c) –p	d) –r]	
3.	Which of the a) Root	following direction b) bin	ctory contains of c) etc	device files? d) dev	[]
4.			new user to yo c) linuxconf	our system? d)All of the above	[]
5.	a) d is a syn	mbol used to re b) e	present special c) s	files in Linux OS. d) c	[]
6.	Which of the a) Ls		JNIX/LINUX r c) pwd d) rm	remove files or directories?	[]
7.	a) /		in file opened i c) #		[1
8.	Which of the a)!	following 'wild b) &		r matches exactly one charac d) *	ter?[]
9.	a) Inserts texb) Inserts tex	at to the left of	the cursor ing of the curso	ert mode it will	[]
10	How do you p a) cat filenar b) cat filenar c) cat filenar	content of the forint the lines be melhead tail -6 melhead tail -5 me tail +5 head me tail -5 head	etween 5 and 1	0, both inclusive?	[J

X: If	=3; y=3; z=1	10;	owing program -o \$z -eq 10)		[]
	echo \$2	x				
el						
	echo \$, <u>-</u>	1)		
a)	1	b) 3	c) 5	d) error		
[- ec [-	n \$HOME] tho \$? z \$HOME] tho \$?		owing program		[]
	Linux, whice fehk	ch of the follow b) fcsk c) daes		is used to create the filesy	stem? []
a) b) b)		output file input file t and output	file nor standard	output file	[]
	Which of tl) linux		tool is used to kickstart	o automate Ret Hat Lir d)setup	nux insta	llation? [
	Which of the file system a) Config.	is?	tool is used t	c) SysLinux d)	el from a [Linux.sy]
	words, and		command is ontained in a c)countw		number (of lines,
	Identify the a) IBM-Con			h is not supported by R c) SPARC d) Macin		[]
(character?		ommands whi	ch is used vi editors to	delete a	single]
20.	Choose the	e TCP/IP prot	cocol which is	s used for remote termi	nal conn [ection]

10/20

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021

ASSESSMENT TEST

Ro	oll Number: _	19941405	01 Name	of the Student:	RI KRISHNA
	Γime: 20 Min			ctive Questions)	Max.Marks:20
No	te: Answer the	e following Qu	estions and ead	ch question carries one mark.	
1.	Which of the programming		be used to ope	n a file for reading and making	g changes in shell,
	a) r+	b) w+	c) r	d) w	
2.	In Linux, whi	ich option of rr	n command is	used to remove a directory wi	th all its subdirectories?
	a) -b	b) –o	c) –p	d) -r	
3.	Which of the a) Root	following dire b) bin	ctory contains c) etc	device files? d) dev	[d]/
4.		v can you add a b) adduser		your system? d)All of the above	[d]
5.	a) d is a sy	mbol used to re b) e	epresent specia c) s	al files in Linux OS. d) c	[d]/
6.	Which of the a) Ls		JNIX/LINUX c) pwd d) rn	remove files or directories?	[C]X
7.	a) /	hes the strings b) @	in file opened c) #	in vi editor? d) \$	[A] X
8.	Which of the a) !	following 'wil b) &	dcard' charact	er matches exactly one charac d) *	ter?[b] X
9.	a) Inserts texb) Inserts texc) Inserts tex	keystroke 'I' in the left of ext at the beginn that to the right of content of the	the cursor ling of the curs of the cursor	sert mode it will	[d]
10.	How do you j a) cat filenan b) cat filenan c) cat filenan		etween 5 and	10, both inclusive?	[Q]

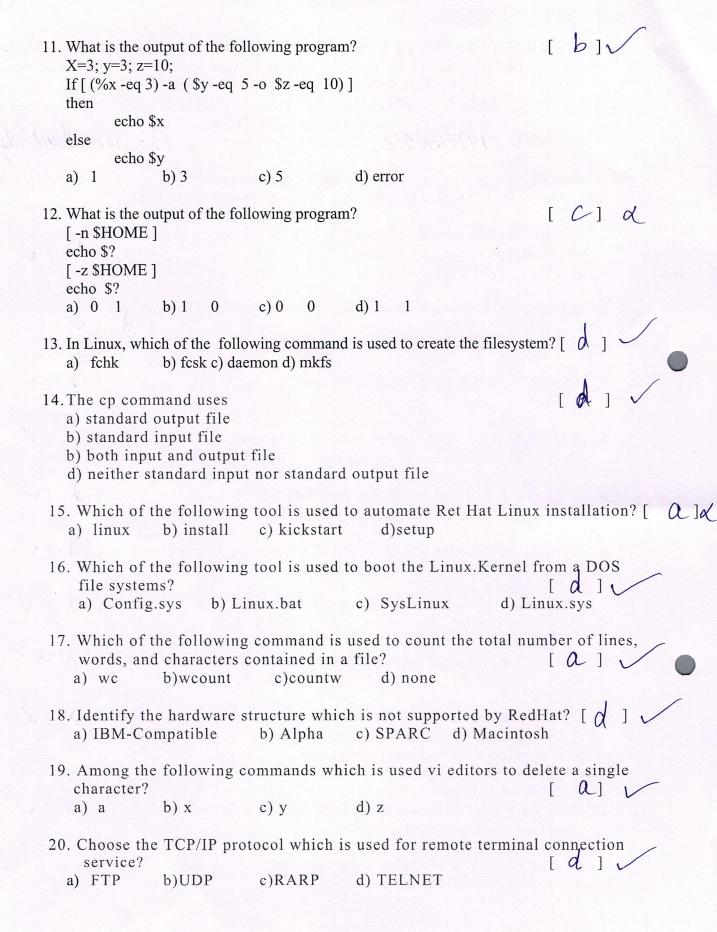
then	10;) -a (\$y -eq 5			I C JX
echo s	Sy	5	1050VW001	
a) 1	b) 3	c) 5	d) error	
12. What is the or [-n \$HOME echo \$? [-z \$HOME] echo \$?		lowing prograr	n?	[a]
a) 0 1	b) 1 0	c) 0 0	d) 1 1	
13. In Linux, whi	ich of the follo b) fcsk c) dae		d is used to create the fil	esystem? [d
	output file		l output file	[d].
15. Which of t		tool is used c) kickstart		Linux installation? [
16. Which of the file system a) Config	ns?		to boot the Linux.Ke	[O]X
	d characters			tal number of lines,
18. Identify th a) IBM-Co		structure which b) Alpha	ch is not supported by	y RedHat? [A] X
19. Among the character?			ich is used vi editors	s to delete a single
a) a	b) x	c) y	d) z	
service?			is used for remote ter	rminal connection [B]X
a) FTP	b)UDP	c)RARP	d) TELNET	

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON

	SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021								
Re	oll Number: _	199417050	ASSES Name	SMENT TEST of the Student:	A. Jana	ndlan Reddy			
_	Γime: 20 Min		(Obje	ective Questions) ch question carries or		Max.Marks:20			
1.	programming			en a file for reading and		nges in shell			
2.	In Linux, whi	ch option of rm	n command is	used to remove a dire		its subdirectories?			
	a) -b	b) -o	c) –p	d) –r	[Ø]				
3.		following direction b) bin		device files? d) dev		d 1 V			
4.		v can you add a b) adduser		your system? f d)All of the above	[aja djv			
5.	a) d is a syn	mbol used to re b) e	present specia c) s	al files in Linux OS. d) c	[div			
6.	Which of the a) Ls			remove files or direc	etories? [d 1 V			
7.	a) /	hes the strings i	in file opened c) #	in vi editor? d) \$	[a] V			
8.	Which of the a)!			ter matches exactly or d) *	ne character?[CIV			
9.	a) Inserts texb) Inserts texc) Inserts tex	keystroke 'I' is at to the left of a at at the beginn at to the right of	the cursor ing of the cur f the cursor	nsert mode it will		A] X			

10. How do you print the lines between 5 and 10, both inclusive?

a) cat filename|head|tail -6 b) cat filename|head|tail -5 c) cat filename |tail +5|head d) cat filename |tail -5|head -10 [a]



15/20

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021

ASSESSMENT TEST

R	oll Number: _	1994HOS	39 Name	of the Student:	gowthani		
	Time: 20 Min	e following Ou	(Objections and each	ctive Questions) ch question carries one mark.	Max.Marks:20		
110	nc. Answer the	o tonowing Qui	estions and eac	in question carries one mark.			
1.	programming	g?		n a file for reading and making	g changes in shell		
	a) r+	b) w+	c) r	d) w			
2.	In Linux, whi	ich option of rn	n command is	used to remove a directory wit			
	a) -b	b) –o	c) –p	d) –r			
3.	Which of the	following dire	ctory contains	device files?			
	a) Root	b) bin	c) etc	d) dev	u ·		
4.		v can you add a b) adduser		our system? d)All of the above	Idl Idl		
5.	a) d is a syn	mbol used to re b) e	epresent specia c) s	l files in Linux OS. d) c	[d]		
6.		following in U b) cd		remove files or directories?	IdV		
7.	a) /	hes the strings b) @	in file opened : c) #	in vi editor? d) \$	[C]X		
8.	Which of the a)!	following 'wild b) &	dcard' characte c)?	er matches exactly one charact d) *	ter?[b] X		
9.	 9. In vi editor if keystroke 'I' is pressed in insert mode it will a) Inserts text to the left of the cursor b) Inserts text at the beginning of the cursor c) Inserts text to the right of the cursor d) From the content of the file 						
10.	How do you pa cat filenar b) cat filenar c) cat filenar		etween 5 and	10, both inclusive?			

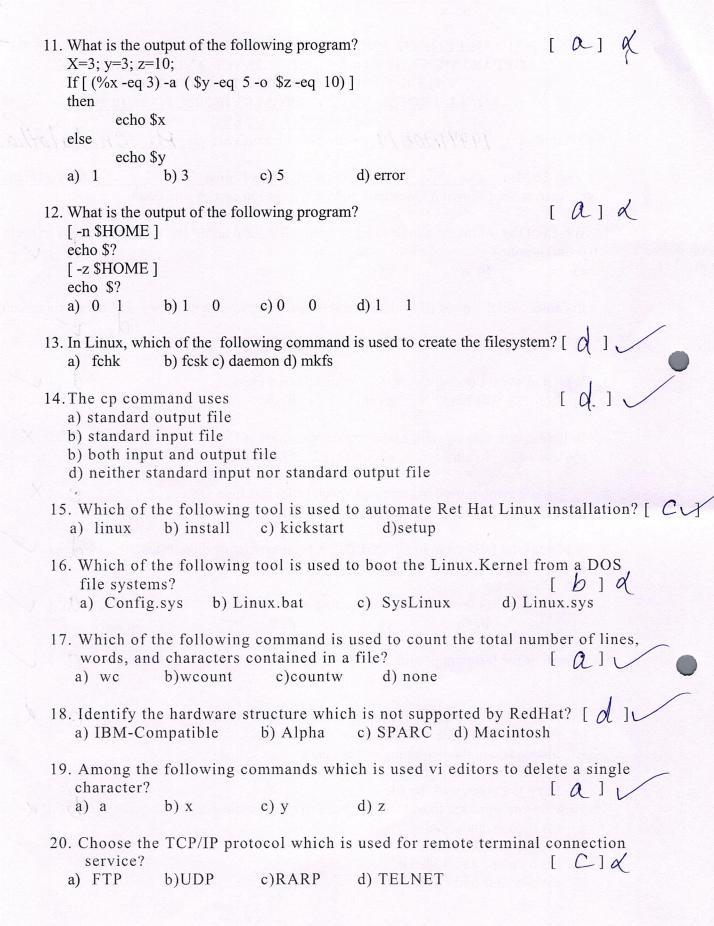
11. What is the or	*	owing program	1.	[2]//
X=3; y=3; z= If [(%x -eq 3	10,) -a (\$y -eq 5	-o \$z -eq 10)]	
then		. 1	.	
echo \$	Sx			
else echo \$	Sv		in Cedan Vord	
a) 1	b) 3	c) 5	d) error	
12. What is the or [-n \$HOME] echo \$? [-z \$HOME] echo \$?		owing program	1 ?	[c]X
a) 0 1	b) 1 0	c) 0 0	d) 1 1	
13. In Linux, whi a) fchk	ch of the follow b) fcsk c) daer		is used to create the filesyst	em?[d]
	output file		output file	[d]
15. Which of t a) linux		tool is used c) kickstart	to automate Ret Hat Linu d)setup	ıx installation? [🔏
file systen	ns?		to boot the Linux.Kernel c) SysLinux d) L	[O]
	the following d characters c b)wcount			umber of lines
18. Identify th a) IBM-Co		tructure whic b) Alpha	h is not supported by Re c) SPARC d) Macinto	dHat? [d]
character?			ich is used vi editors to c	lelete a single
a) a	b) x	c) y	d) z	EG (I)
20. Choose the service?	e TCP/IP prot	tocol which i	s used for remote termin	al connection
a) FTP	b)UDP	c)RARP	d) TELNET	- 13

12/20

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003* DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021

ASSESSMENT TEST

	Ro	ll Number: _	19941A05	19 Name of	the Student:	B. Gn	rehalatha.
		Time: 20 Min te: Answer the	following Que		ive Questions) question carries of	ne mark.	Max.Marks:20
		Which of the programming		hanges in shell			
			b) w+	c) r	d) w		
	2.	In Linux, which	ch option of rm	command is us	sed to remove a dir		all its subdirectories
J		a) -b	b) –o	c) –p	d) –r		
,	3.	Which of the a) Root	following direc b) bin	tory contains de			[d] \
	4.		can you add a b) adduser		ur system? d)All of the above		$[C] \times$
	5.	a) d is a syr	nbol used to rep b) e	present special c) s	files in Linux OS. d) c		[C] X
	6.	Which of the a) Ls			emove files or direc	ctories?	[d]
	7.	a) / search	nes the strings i b) @	n file opened ir c) #	n vi editor? d) \$		[a] /
	8.	Which of the a)!	following 'wild b) &		matches exactly o d) *	ne character	?[C]
	9.	In vi editor if a) Inserts tex b) Inserts tex		[C] K			
	10.	c) Inserts tex d) From the How do you p a) cat filenar	t to the right of content of the forint the lines be ne head tail -6	the cursor file	0, both inclusive?		[b]K
		c) cat filenar	ne head tail -5 ne tail +5 head ne tail -5 head				



15/20

30

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021

ASSESSMENT TEST

R	oll Number: <u> </u>	1994HDS	Name o	f the Student:	nil kumar Re
	Fime: 20 Min	following Ou		tive Questions)	Max.Marks:20
INC	ite. Allswer the	tonowing Que	estions and each	n question carries one mark.	
1.	programming	?		a file for reading and makin	g changes in shell
	a) r+	b) w+	c) r	d) w	
2.	In Linux, whi	ch option of rn	n command is u	sed to remove a directory wi	
	a) -b	b) –o	c) –p	d) -r	
3.	Which of the a) Root		ctory contains of c) etc	levice files? d) dev	[d] /
4.			a new user to yo c) linuxconf	our system? d)All of the above	[d]
5.	a) d is a syn	mbol used to re b) e	epresent special c) s	files in Linux OS. d) c	[c]
6.	Which of the a) Ls		JNIX/LINUX r c) pwd d) rm	emove files or directories?	[d]
7.	a) /	hes the strings b) @	in file opened i c) #	n vi editor? d) \$	[]
8.	Which of the a)!	following 'wil b) &	dcard' characte c)?	r matches exactly one charactly one charactly *	eter?[C]
9.	a) Inserts texb) Inserts texc) Inserts tex	kt to the left of kt at the beginn kt to the right o	the cursor aing of the cursor of the cursor	ert mode it will	[d]
10	How do you j a) cat filenan b) cat filenan c) cat filenan	content of the print the lines to me head tail -5 me tail +5 head me tail -5 head me tail -5 head	petween 5 and 1	10, both inclusive?	[97

X=3; y=3; z=3		nowing progra	um:	101/
If [(%x -eq : then	3) -a (\$y -eq :	5 -o \$z -eq 10))]	
echo else				(1887)
echo a) 1	b) 3	c) 5	d) error	
12. What is the center of the		llowing progra	ım?	[C]X
a) 0 1	b) 1 0	c) 0 0	d) 1 1	
13. In Linux, what a) fchk		owing command owing command own down a command own down a command own a	nd is used to create the	e filesystem? [d]
b) standard b) both inp	output file		d output file	[d]/
15. Which of a) linux		g tool is used c) kickstar		Hat Linux installation? [
file syste:	ms?		to boot the Linux c) SysLinux	.Kernel from a DOS d) Linux.sys
		contained in	s used to count the a file? w d) none	total number of lines,
	he hardware s ompatible	structure whi b) Alpha	c) SPARC d)	d by RedHat? [d]
19. Among th character?		commands w		tors to delete a single
20. Choose th	ne TCP/IP pro	otocol which	is used for remote	terminal connection
a) FTP	b)UDP	c)RARP	d) TELNET	

10/01

9/20

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 07/10/2021 TO 30/10/2021

ASSESSMENT TEST

R	oll Number: _	19991A08	343 Name of	f the Student:	ngarah.
- C	Time: 20 Min			tive Questions)	Max.Marks:20
No	ote: Answer the	following Que	estions and each	question carries one mark.	
1.	Which of the programming		be used to open	a file for reading and making	changes in shell
	a) r+	b) w+	c) r	d) w	
2.	In Linux, whi	ch option of rn	n command is u	sed to remove a directory with	all its subdirectories?
>	a) -b	b) –o	c) –p	d) -r	1 0
3.	Which of the a) Root	following direction b) bin	ctory contains d c) etc	levice files? d) dev	[d]V
4.		can you add a b) adduser	new user to yo	our system? d)All of the above	[d]V
5.	a) d is a syr	mbol used to re b) e	epresent special c) s	files in Linux OS. d) c	[0] [0]
6.	Which of the a) Ls	following in U b) cd		emove files or directories?	[a]d
7.	a) /	hes the strings b) @	in file opened in c) #	n vi editor? d) \$	[Q] /
8.	Which of the a)!	following 'wild b) &	dcard' character	r matches exactly one characted d) *	er?[C]
9.	a) Inserts texb) Inserts tex	at to the left of	the cursor ing of the curso	ert mode it will	[d] V
10	. How do you p a) cat filenar	content of the sorint the lines be melhead tail -6 melhead tail -5		0, both inclusive?	[a] \(\)
	c) cat filenar	ne tail +5 head ne tail -5 head			

X=3; y=3; z=10;		
If [(%x -eq 3) -a (\$y -eq 5 then echo \$x	5-0 \$z-eq 10)]	
else echo \$y	14)05,413	ht 621
a) 1 b) 3	c) 5 d) error	
12. What is the output of the fol [-n \$HOME] echo \$? [-z \$HOME] echo \$?	lowing program?	[C]X
	c) 0 0 d) 1 1	
	owing command is used to create emon d) mkfs	
14. The cp command uses a) standard output file b) standard input file b) both input and output d) neither standard input	file t nor standard output file	[b]X
15. Which of the following a) linux b) install	g tool is used to automate Ret c) kickstart d)setup	Hat Linux installation? [Q]
file systems?	tool is used to boot the Linunux.bat c) SysLinux	[d]
	g command is used to count the contained in a file? c)countw d) none	
18. Identify the hardware s a) IBM-Compatible	structure which is not support b) Alpha c) SPARC d	
아이트 사람이 살아가는 아무리를 가게 하는데	ommands which is used vi ed	ditors to delete a single
20. Choose the TCP/IP pro service?	tocol which is used for remo	te terminal connection [り] 火

Importance of Linux Programming

· Linux provides many advantages over other operating systems: Open-source software available for everyone to contribute, modify, and enhance the source code. It is also available for users to download and use for free. Linux is less vulnerable and more secure than Windows operating systems.

A Brief History of Linux

October 1991

Richard Stallman expresses interest in having the Free Software Foundation distribute a GNU system with the Linux kernel

December 1991

ecember 1991

Robert Blum posts the first Linux FAQ for SOFTWARE FOUNDATION

January 1992

Minix creator Andrew Tannenbaum claims "Linux is obsolete" in a posting to comp.os.minix and starts a public discussion on the merits of Linux in which Linus Torvalds participates.

A Brief History of Linux

· Linus Torvalds suggests that a "slightly overweight penguin" would be the best mascot for Linux. He recommends Larry Ewing's "Tux" penguin images.





A Brief History of Linux

· Linux kernel version 2.4 released.

- · Linux kernel version 2.6 is released.
- Novell acquires German Linux distributor SuSE.
- · Red Hat announces that they will no longer sell boxed sets of their Linux distribution for retail customers. Instead, they will distribute Linux to end users via a development distribution called Fedora Core.

story of Linux A Brig

1991 August

- · Linux is introduced by Linus Torvalds, a student university of "Helsinki" in
- While the linux you know today was developed with assistance of programmer.
- Linus Torvalds still remain control of the evolving core of Linux O.S. :The Kernel



Linus Benedict Torvalds

A Brief History of Linux

- First Linux "distribution", called MCC Interim Linux is released by the University of Manchester, England. (February 1992)
- Version 0.95 of the Linux kernel released. First version to be able to support X-Window. (March 1992)
- A Linux distribution called Softlanding Linux System (SLS) is released. (September 1992)
- Software und System Entwicklung GmbH (SuSE) founded in Nuremberg, Germany. Distributes a German version of SLS with corresponding manuals. (November 1992)

A Brief History of Linux

- The following filed a suit against William R. Della Croce, Jr. (September 1996)
 - Linus Torvalds
 - Linux Journal,
 - Yggdrasil Computing, Inc.,
 - Linux International
 - Work Group Solutions (Digital Equipment Corporation & Red Hat Software contributed to the cost of the legal process)

to re-assign the Linux trademark to Linus Torvalds. The firm of Davis & Schroeder handled the case on an almost pro-bono basis. (Freeor reduced charge for public good)

Kool Desktop Environment (KDE) project announced

Why it is So Popular?

- Each user's shells, applications and commands are separate processes Number of simultaneous users limited only by:
- CPU speed and available memory
 Min. response times required by users/apps

- · Many jobs can be under way at the same time
- · Jobs truly simultaneous on multi-cpu
- > Time-sharing:
- · A single cpu is shared by all processes
- Processes exec briefly, passing cpu to others
- Process switches occur in miliseconds or less Kernel gives process a sense of total control

1992, March

A Brief Histor

- In March 1992 Version 1.0 of Kernel came into market ,the first official release of Linux.
- At this point Linux RAM most of the common Unix tool from compiler to networking software to "X-Windows".



inux

Linus Benedict Torvalds

A Brief History of Linux

1993:

- Version 1.0 of Slackware released by Patrick Volkerding. It is based on the SLS distribution.
- · Ian Murdock creates the Debian distribution.

- Linux kernel version 1.0 released.
- · First issue of Linux Journal published
- Marc Ewing releases the first version of Red Hat

1994:

- · Linux distributor Caldera founded b
- Ray Noorda of Novell & Ransom Lov Marc Ewing

A Brief History of Linux

1997:

- The Linux trademark dispute between William Della Croce and Linus Torvalds is settled, with
 - re-assigning the trademark to Torvalds.
- Miguel de Icaza starts the GNOME project.

 Version 1.0 of the K Desktop Environment (KDE) released.

Applications of Linux

AS the Linux is the OS, it provides lot of applications. Some of them given below:

Star Office is Text and word application instead of WordPad and notepad.

There is a wide verity of Programming and ing languages and tools available for Linux.

X-windows is a highly flexible and configurable GUI environment that run on Linux as well as almost UNIX System.

A Brief History of Linux

1991 September

Version 0.01 of Torvald's project is made available via ftp.funet.fi Ari Lemmke, the systems administrator. gives the directory the name Linux.

Linus had originally intended to call the new

According to Wikipedia, the name Linux was actually invented by Ari Lemmke who maintained the ftp.funet.fi FTP server from which the kernel was originally distributed.



A ERA CITATIO

A Brief History of Linux

1995:

- Bob Young partners with Marc Ewin and forms Red Hat Software.
- Apache web server project started as a series of patches to the NCS HTTPd server (A Patchy server).

1996

Linux kernel version 2.0 released.

A Brief History of Linux

1999:

- Linux kernel version 2.2 released.
- GNOME 1.0 desktop released

Microsoft CEO Steve Ballmer calls Linux "a cancer that attaches itself in an intellectual property sense to everything it touches." in an interview with the Chicago Sun-Times.

Applications of Linux

It supports Netscape as well as Mosaic It provides wide and full range of software needed to create internet server. it also provide the complete network support to connect the internet.

Today Oracle, Sybase and Informix all offer relational data base provides for Linux.

Linux can be made to run DOS software with high degree of stability and compatibility.

Acquiring and using Linux

There are quite a few ways to obtain a Linux distribution.

1. One way is to go to the distributor's website and download the linux distribution of our choice.

For example,
If you want to download

a. Mandrake, the go to http://www.mandriva.com/.

b. SUSE Linux Enterprise Server 9,

http://www.novell.com/linux/download_linux.html.



What is command in Linux?

The Linux command is a utility of the Linux operating system. All basic and advanced tasks can be done by executing commands. The commands are executed on the Linux terminal. The terminal is a command-line interface to interact with the system, which is similar to the command prompt in the Windows OS. Commands in Linux are case-sensitive.

3. rmdir Command

The <u>rmdir</u> command is used to delete a directory.

Syntax:

rmdir <directory name>

Output:

manor@LAPTOP-2S2C2733:~\$ rmdir cse manor@LAPTOP-2S2C2733:~\$ cd cse -bash: cd: cse: No such file or directory manor@LAPTOP-2S2C2733:~\$

Acquiring and using Linux

- Other way is to obtain pre-burned copies of the Linux distribution we need from the distributor's website or from sites like cheapISO.com
- The price is of such distributions starts from less than Rs. 100/-
- Some new computers have Linux as preinstalled

System Access

Logging In and using the Linux system

≻Linux Commands

➢ Logging In and using Remote Linux system

Basic Commands

How to run commands

- · Finder => Application => Utilitaires => Terminal
- · When you log on Unix machine, you will see,

[someone]\$

One command consists of three parts, i.e. command name, options, arguments.

Example)

[someone~]\$ command-name optionA optionB argument1 argument2

4. Is Command

The <u>ls</u> command is used to display a list of content of a directory.

Syntax:

Is

Output:

manor@LAPTOP-252C2733:~\$ ls hello ksrmcse new test

Survey of Major Distributions

- The major distributions of Linux include:
- Caldera
- Debian
- Mandrake
- Red Hat
- Slackware
- -- SuSE
- Turbolinux

Logging in and Using Linux System

Because the system can be used by many users some has to be given charge of administration of the system called 'system administrator' who will grant you the authority to use the system.

login: kumar

Password ******

This will start up a desktop. The default desktop in RedHat Linux 9 is GNOME desktop.

If you want to turn off your computer, you must first shut down Linux. You can shut down your system in three ways:

1)By using half command

Main Menu

2)By using shutdown command.

l occut menu

Linux Directory Commands

1. pwd Command

The <u>pwd</u> command is used to display the location of the current working directory. **Syntax:**

1.pwd

Output:

manor@LAPTOP-2S2C2733:~\$ pwd /home/manor

5. cd Command

The <u>cd</u> command is used to change the current directory.

Syntax:

cd <directory name>

Output:

manor@LAPTOP-2S2C2733:~\$ cd cse manor@LAPTOP-2S2C2733:~/cse\$ _



16

This command will log you out and shut down the system.

*\$ halt

shutdown

shutdown 16:00 shutdown -r now shutdown -h now

· Android

Arch Linux

• Centos

• Debian

• Fedora

· Elementary OS

. Gentoo Linux

• Kall Linux

. Linux Mint

shut down at 16:00 shutdown immediately and reboot shutdown immediately and halt

· Marjaro Linux

• MX Linux

· Puppy Linux

Slackware

· Ubuntu and all its versions (Gnome,

Lubuntu-just to name a few)

Kubuntu, Ubuntu mate, Xubuntu, and

• Solus

· Zorin OS

Linux alea allow altratellatal

2. mkdir Command

The <u>mkdir</u> command is used to create a new directory under any directory.

Syntax:

mkdir <directory name>

Output:

manor@LAP10P-252C2733:-\$ mkdir ksrmcse mkdir: cannot create directory 'ksrmcse': File exists manor@LAP10P-252C2733:-\$ mkdir cse manor@LAP10P-252C2733:-\$

Linux File commands:

6. touch Command

The <u>touch</u> command is used to create empty files. We can create multiple empty files by executing it once.

Syntax:

touch <file name>
touch <file1> <file2>

Output:

anon@LAPIGP-252C2733:-/cep\$ touch demo.txt demo1.txt demo2.txt anon@LAPIGP-252C2733:-/csu\$-ls emo.txt demo1.txt demo2.txt

7. cat Command

The cat command is a multi-purpose utility in the Linux system. It can be used to create a file, display content of the file, copy the content of one file to another file, and more.

Syntax:

cat [OPTION]... [FILE]..

To create a file, execute follows:cat > <file name>

// Enter file content

Press "CTRL+ D" keys to save the file. To display the content of the file, execute it as follows:

cat <file name>

Output:

10. my Command

The my command is used to move a file or a directory form one location to another location.

Syntax:

mv <file name> <directory path>

Output:

OCPUTOR 232C2733: //cse\$ cd ...
nor@LAPTOP 232C2733: //cse\$ cd ...
e hallo ksrmcse new test
nor@LAPTOP 232C2733: * mw ksrmcse cse
nor@LAPTOP 232C2733: * d d dse @LAPTOP-252C2733:~/cse\$ 1s orgalarTOP-252(2/35):-/cme3 is ortxt demo1.xxt demo2.xxt kermcse torgalarTOP-252(2/35):-/cse\$ m/ kermcse kermcsel orgalarTOP-252(2/35):-/cse\$ no.xxt demo1.xxt demo2.xxt kermcsel torgalarTOP-252(2/35):-/cse\$

n@LAPTOP-252C2733:~/cse\$ cat>text.txt cat > text.txt Stopped BLAPTOP-252C2733:~/cse\$



manor@LAPTOP-2S2C2>>..-/cse\$ cat>demo.txt This is my first demo file. Welcome to all.^Z [1]+ Stopped cat > demo.txt manor@LAPTOP-2S2C2733:~/cse\$ cat demo.txt This is my first demo file. manor@LAPTOP-2S2C2733:~/cse\$

11. rename Command

The rename command is used to rename files. It is useful for renaming a large group of files.

Syntax:

rename 's/old-name/new-name/' files For example, to convert all the text files into pdf files, execute the below command:

rename 's/\.txt\$/\.pdf/' *.txt

Output:



14. tac Command

non@LAPTOP-25202733:~/cse\$

The tac command is the reverse of cat command, as its name specified. It displays the file content in reverse order (from the last line).

Syntax:

tac <file name>

Output:

8. rm Command

The rm command is used to remove a

file. Syntax:

rm <file name>

Output:

manon@LAPTOP-2S2C2733:~/cse\$ rm demo1.txt manon@LAPTOP-2S2C2733:~/cse\$ cat demo1.txt cat: demo1.txt: No such file or directory nanon@LAPTOP-2S2C2733:~/cse\$

javatpoint@javatpoint-Inspiron-3542:~5 rename 's/\.txt5/\.pdf/' *.txt iavatnoint@iavatcoint-Inspiron-3542:~\$ ls

à	Desktop	examples.desktop	Mustc	Python-3.8.8
Akash	Directory	hello.c	Newfolder	sample
a.out	Documents	hello.i	pico	snap
composer.phar	Downloads	hello.o	Pictures	Templates
deno1.pdf	eclipse	hello.s	project	Test.pdf
Deno.sh	eclipse-installer	index.html	Public	Videos
Demo.txt~	eclipse-workspace	mail	Python	Brandill

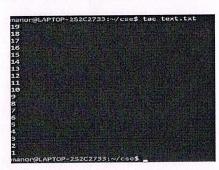
13. tail Command

The tail command is similar to the head command. The difference between both commands is that it displays the last ten lines of the file content. It is useful for reading the error message.

Syntax:

tail <file name>

Output:



9. cp Command

The cp command is used to copy a file or directory.

Syntax:

To copy in the same directory: cp <existing file name> <new file na

To copy in a different directory:

Output:

nor@LAPTOP-252C2733;~/cse**\$ cp demo.txt demo1.txt** nor@LAPTOP-252C2733;~/cse**\$ cat demo1.txt** his is my first demo file. anor@LAPTOP-252C2733:~/cse\$

Linux File Content Commands:

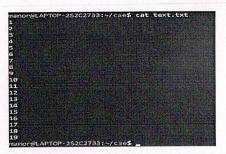
12. head Command

The head command is used to display the content of a file. It displays the first 10 lines of a file.

Syntax:

head <file name>

Output:



15. more command

The more command is quite similar to the cat command, as it is used to display the file content in the same way that the cat command does. The only difference between both commands is that, in case of larger files, the more command displays screenful output at a time.

In more command, the following keys are used to scroll the

ENTER key: To scroll down page by line. Space bar: To move to the next page.

b key: To move to the previous page. / key: To search the string.

Syntax:

more <file name>

Output:



18. id Command

The id command is used to display the user ID (UID) and group ID (GID).

Syntax:

id

Output:

favatpoint@favatpoint-Inspiron-3542:~5 id uid=1006(javatpoint) qid=1000(javatpoint) qroups=1000(javatpoint),4(adm),24(cdro n),27(sudo),38(dip),46(plugdev),116(lpadmin),126(sambashare) javatpoint@javatpoint-Inspiron-3542:-5

Linux Filter Commands:

Filters are programs that take plain text(either stored in a file or produced by another program) as standard input. transforms it into a meaningful format, and then returns it as standard output.

24. grep Command

The grep is the most powerful and used filter in a Linux system. The 'grep' stands for "global regular expression print." It is useful for searching the content from a file. Generally, it is used with the pipe.

Syntax:

command | grep <searchWord> Output:

16. less Command

The less command is similar to the more command. It also includes some extra features such as 'adjustment in width and height of the terminal.' Comparatively, the more command cuts the output in the width of the terminal.

Syntax:

less <file name>

Output:

19. useradd Command

The useradd command is used to add or remove a user on a Linux server.

Syntax:

useradd username

Output:

javatpoint@javatpoint-Inspiron-3542:-\$ sudo useradd JTP [sudo] password for javatpoint: javatpoint@javatpoint-Inspiron-3542:-5

Linux Filter Commands:

22. cat Command

The cat command is also used as a filter. To filter a file, it is used inside pipes.

Syntax:

cat <fileName> | cat or tac | cat or tac |

Output: helpoglaPiGP-253C2733:-/cse\$ cat demol.txt Thit is my first demo file. namor@LAPIGP-252C2733:-/cse\$ cat demol.txt |tac| cat | tac menor@LAPTOP-252C2733:~/cre This is my first demo file. perSLAPTOP-252C2733:-/cse\$ cat demo1.txt |tac s is my first demo file. ore: ATTOP 32 20033 257C2733:-/cso\$ cat demo1.txt |tac | cat

riguation-15002733 with self-cat Ditestil.tot distributed system is a computing environment in which various components are spread across multiple computers (or of er computing devices) on a network. These devices solit up the work, coordinating their efforts to complete the job nor efficiently than if a single device had been responsible for the task. + Storred cat) test1.txt ancolo7109-15302733: /csel cat test1.txt | grep device distributed system is a computing environment in which various congruents are spread across multiple computers (or o r concuting devices) on a network. These devices solit up the work, coordinating their efforts to complete the hidron efficiently than if a single device had been responsible for the task. archite-15XIIII vices

Linux User Commands:

17. su Command

The su command provides administrative access to another user. In other words, it allows access of the Linux shell to another user.

Syntax:

su <user name>

Output:

javatpoint@javatpoint-Inspiron-3542:~S su javatpoint javatpoint@javatpoint-Inspiron-3542:-\$

20. passwd Command

The passwd command is used to create and change the password for a user.

Syntax:

passwd <username>

Output:

javatpoint@javatpoint-Inspiron-3542:~S sudo passwd JTP Enter new UNIX password: Retype new UNIX password: passwd: password updated successfully

23. cut Command

The cut command is used to select a specific column of a file. The '-d' option is used as a delimiter, and it can be a space (' '), a slash (/), a hyphen (-), or anything else. And, the '-f' option is used to specify a column number.

Syntax:

Cut

-d(delimiter)-f(columnNumber) <fileNa me>

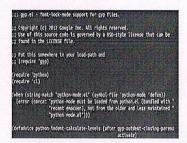
Output:

25. comm Command

The 'comm' command is used to compare two files or streams. By default, it displays three columns, first displays non-matching items of the first file, second indicates the non-matching item of the second file, and the third column displays the matching items of both files.

Syntax:

comm <file1> <file2> Output:



21. groupadd Command

The groupadd command is used to create a user group.

Syntax:

groupadd <group name>

Output:

javatpoint@javatpoint-Inspiron-3542:~\$ sudo groupadd Developer iavatooint0iavatooint-Inspiron-3542:~\$

```
iavatpoint@iavatpoint-Inspiron-3542:~$ cat >marks.txt
alen-70
jon-75
carry-85
javatpoint@javatpoint-Inspiron-3542:-$ cut -d- -f2 marks.txt
favatpoint@favatpoint-Inspiren-3542:-5
```

```
anor@LAPTOP-2S2C2733:~/cse$ cat >aaa.txt
 oodmorning to all
Shell programming
[5]+ Stopped
                             cat > aaa.txt
manor@LAPTOP-2S2C2733:~/cse$ cat >bbb.txt
Goodmorning to all
shellprogramming
[6]+ Stopped
                             cat > bbb.txt
nanor@LAPTOP-2S2C2733:~/cse$
 mor@LAPTOP-2S2C2733:~/cse$ comm aaa.txt bbb.txt
               Goodmorning to all
Shell programming
       shellprogramming
  nor@LAPTOP-2S2C2733:~/cses
```

26. sed command

The <u>sed</u> command is also known as **stream editor**. It is used to edit files using a regular expression. It does not permanently edit files; instead, the edited content remains only on display. It does not affect the actual file.

Syntax:

command | sed 's/<oldWord>/<newWord>/'

Output:

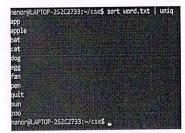
28. tr Command

The \underline{tr} command is used to translate the file content like from lower case to upper case.

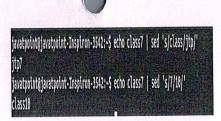
Syntax:

command | tr <'old'> <'new'>

Output:







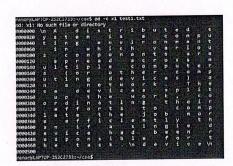
enderfraction of a material for the latest Authority and a company provided for the accompanies of grade some middle copies of any copies (the latest file 1808) Let the substitutive for the accopies of the of Proving to a copies (the latest described for the latest

wc Command

The <u>wc</u> command is used to count the lines, words, and characters in a file. **Syntax:**

wc <file name>

Output:



27. tee command

The <u>tee</u> command is quee similar to the cat command. The only difference between both filters is that it puts standard input on standard output and also write them into a file.

Syntax:

cat <fileName> | tee <newFile> | cat or tac |.....

Output:

29. uniq Command

The <u>uniq</u> command is used to form a sorted list in which every word will occur only once.

Syntax:

command <fileName> | uniq

Output:

31. od Command

The <u>od</u> command is used to display the content of a file in different s, such as hexadecimal, octal, and ASCII characters.

Syntax:

od -b <fileName> // Octal format
od -t x1 <fileName> // Hexa decimal form
at

od -c <fileName> // ASCII character for

Output:

32. sort Command

The <u>sort</u> command is used to sort files in alphabetical order.

Syntax:

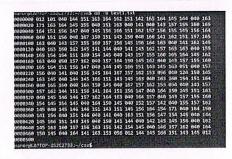
Output:

sort <file name>

STATE OF THE PROPERTY OF THE P

javatpolatējavatpolnt-Inspiron-3542:-\$ cat marks.t	xt tee new.txt cat
alex-50	
alen-70	
jon-75	- 14
carry-BS	
celena-98	State Control
justin-85	
javatpoint@javatpoint-Inspiron-3542:-\$ cat new.txt	autikis un
alex-S8	100
alen-78	
103-75	
carry-85	
celena-90	
justin-80	





33. gzip Command

The gzip command is used to truncate the file size. It is a compressing tool. It replaces the original file by the compressed file having '.gz' extension.

Syntax:

gzip **<file1> <file2> <file3>...**

Output:

romium o-151.0785 (rom) grup testilitat romium o-151.0785 (rom)

esaltat bioloti denoloti denoloti denoloti historyota kemasel tesilotolga teoloti wordoot raronius70-150-150-1516

34. gunzip Command

The <u>gunzip</u> command is used to decompress a file. It is a reverse operation of gzip command.

Syntax:

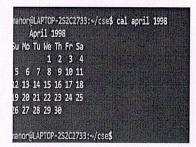
gunzip <file1> <file2> <file3>. .

Output:

namikkivi-Saliiliviisa purio teat.tot namikkivi-Saliiliviisalis aa.tot kohot dendut dendut dendut history.tot kanssal teatl.tot teal.tot word.tot namikkivi-Saliiliviisal

Output:

| favetorith@favetocint-Inspiron-1542:-5 | locate syscil.comf | lett/syscil.comf | lett/syscil.comf | lett/syscil.comf | favetory | 8935|etc/syscil.comf | favetory | 8935|etc/syscil.dy99-syscil.comf | favetory | fav



41. zcat Command

The zcat command is used to display the compressed files.

Syntax:

zcat <file name>

Output:

errore accession accession.

The beside is a finite indexed of the control of the

Linux Utility Commands:

35. find Command

The <u>find</u> command is used to find a particular file within a directory. It also supports various options to find a file such as byname, by type, by date, and more.

The following symbols are used after the find command:

(.): For current directory name

(/): For root

Syntax:

find . -name "*.pdf"

37. date Command

The <u>date</u> command is used to display date, time, time zone, and more.

Syntax:

date

Output:

39. sleep Command

The <u>sleep</u> command is used to hold the terminal by the specified amount of time. By default, it takes time in seconds.

Syntax:

sleep <time>

Output:

manon@LAPTOP-2S2C2733:~/cse\$ sleep 5

42. df Command

The <u>df</u> command is used to display the disk space used in the file system. It displays the output as in the number of used blocks, available blocks, and the mounted directory.

Syntax:

df

Output:

Output:

```
manor@LAPTOP-252C2733:~/cse$ find -name '*.txt'
//aaa.txt
//bbb.txt
//demo.txt
//demo1.txt
//demo2.txt
//istory.txt
//test1.txt
//text.txt
//text.txt
manor@LAPTOP-252C2733:~/cse$
```

38. cal Command

The <u>cal</u> command is used to display the current month's calendar with the current date highlighted.

Syntax:

cal

Output:



40. time Command

The <u>time</u> command is used to display the time to execute a command.

Syntax:

time

Output:

```
TanongLAFTOP-252C2733:~/cse$ time

real @mo.000s

user @mo.000s

yy @mo.000s

synondLAFOP-253C2733:~/cse$ cat test1 t
```

ranon@LAPTOP-2S2C2

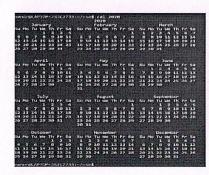
```
| Interpretation | Inte
```

36. locate Command

The <u>locate</u> command is used to search a file by file name. It is quite similar to find command; the difference is that it is a background process. It searches the file in the database, whereas the find command searches in the file system. It is faster than the find command. To find the file with the locates command, keep your database updated.

Syntax:

locate <file name>



(LED NOTE / Ced the content tot

dictional system is a complay enhanced in other accessories and reliable complex for the complay educe, in a mount. These enhances is at the early conforming their efforce to content the job content for it is a couple deliable between equivable for the table. And with final field ECS

ez del Alls 13 del Alls

entronument.

43. mount Command

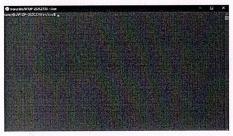
The <u>mount</u> command is used to connect an external device file system to the system's file system.

Syntax:

mount -t type <device> <directory>
Output:

otfs on / type walfs (nw,roatine) one on /dew type typfs (rw,noatine,mode=755) rafa on /sys type sysfs (rw.nosuid.nodev.noexec.roatine no on /one type groc (mynosud, noder, messes mostime) mpts on /der/pts type der/pts (rv. nosuid, nosese, nostime, gido-5, node-620) me on /on type (mpts (mynosuid, nosese, nostime, node-755) one on /run/lock type tripfs (rv,rosuid,nodev,roexer,nostise one on /run/shr type tripfs (rv,rosuid,nodev,rostise) and on Investion type traps (or, recomm, none, records as one on Investion Step traps (or, records developed, none, norther, prodes) s shifted and or investigate faithed date, they be limited date (or, red attent) marks on injectification by the traps (or, record, none, relation, nodes) so group on Injectification of the contraction of the contract on /ent/d type drufs (rw.nostine,uid=1090,gid=1000,case=off)

After pressing the ENTER key, it will clear the terminal screen.



47. Removing Symlinks

To delete/remove symbolic links use either the unlink or rm command.

The syntax of the <u>unlink</u> is very simple: unlink symlink to remove

Removing a symbolic using the rm command is the same as when removing a file:

rm symlink to removezz

48. Alias command:

alias command instructs the shell to replace one string with another string while executing the commands.

When we often have to use a single big command multiple times, in those cases, we create something called as alias for that command. Alias is like a shortcut command which will have same functionality as if we are writing the whole command

44. exit Command

Linux exit command is used to exit from the current shell. It takes a parameter as a number and exits the shell with a return of status number.

Syntax:

exit

Output:

avatpoint@javatpoint-Inspiron-3542:-\$ exit

After pressing the ENTER key, it will exit the terminal.

46. Link command:

A link creates a reference to a file or folder. Symbolic links are used in Linux for managing and collating files.

In command to create symbolic links Syntax:

In [-sf] [source] [destination]

Hard Link:

A hard link acts as a copy (mirrored) of the selected file. It accesses the data available in the original file.

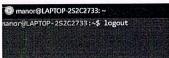
If the earlier selected file is deleted, the hard link to the file will still contain the data of that file. Soft Link:

A soft link (also known as Symbolic link) acts as a pointer or a reference to the file name. It does not access the data available in the original file. If the earlier file is deleted, the soft link will be pointing to a file that does not exist anymore.

Syntax: alias [-p] [name[=value] ...]

alias name="value" anor@LAPTOP-252C2733:~/cs&\$ alias cls='clear wnor@LAPTOP-252C2733:~/cs&\$ _





- · By default, the In command creates a hard link.
- Use the -s option to create a soft (symbolic)
- The -f option will force the command to overwrite a file that already exists.
- · Source is the file or directory being linked to.
- Destination is the location to save the link if this is left blank, the symlink is stored in the current working directory.



anon%LAPTOP-252C2733:~/cse\$ ln -s demo.txt symbolic-link non@LAPTOP-2S2C2733: -/cse\$ 1s testl.txt.gz word.txt aaa.txt demo.txt demo2.txt ksrncsei bbb.txt demol.txt history.txt symbolic-link text.txt enon@LAPTCP-ZS2C2733: ~/cse\$

Linux clear command is used to clear the

manor@LAPTUP-25202733: * cat rest1.txt cat: rest1.txt: No such file or directory

owid aprop. 5520223376/ese% cat demol.txt

GLAPTOP-252CD331-/cse\$ clear

45. clear Command

terminal screen.

Syntax:

Output:

clear

nor@LAPTOP-252C2733:~/cse\$ In demo.txt hordlink.txt enor@LAPTOP-252C2733: v/cse\$ 1s aea.txt demo.txt demo2.txt hordlink.txt symbolic-link text.txt obb.txt demol.txt history.txt ksrmcsel test1.txt.gz word.txt nor@LAPTOP-252C2733: //cse\$ _

https://linuxize.com/post/how-to-create-symbolic-links-in-linux-using-the-In-com

avoridustos-asicarist: v/cses ls -i 4339947158767931 aaa.txt 1978324836997738 demo2.txt 4222124651886676 symbolic-link 9391228985955774 demo.txt 59391228985955774 hordlink.txt 18577348461928438 text.txt 7599824371212819 demol.txt 24769797598548746 ksrmtsel 18814398589518684 word.txt aronpl.4PTOP-25102733; vicse\$

https://ostechnix.com/explaining-soft-link-and-hard-link-in-linux-with-examples/

49. Creating an Unalias: Removing an existing alias is known as unaliasing. Syntax: unalias [alias name]

zrikuPTDP-XS2C2733:-/cse\$ alias -p olisa alarti miliyisend -argecyplas -i "3[[\$/ = 8] \$8 ech tembal [] ech e-nor)" "5[history[tail -ni]ead -e-///iii[6-9]//ii/fj:s[[3]]iitaler\$///\"\""

manor@LAPTOP-252C2733:~/cse\$ cat hordlink.txt elcome to KSRMCE manor@LAPTOP-2S2C2733:~/cse\$ cat symbolic-link welcome to KSRMCE manor@LAPTOP-2S2C2733:~/cse\$ cat demo.txt welcome to KSRMCE manor@LAPTOP-2S2C2733:~/cse\$ rm demo.txt anon@LAPTOP-2S2C2733:~/cse\$ cat demo.txt cat: demo.txt: No such file or directory manor@LAPTOP-252C2733:~/cse\$ cat hordlink.txt lcome to KSRMCE anon@LAPTOP-252C2733:~/cse\$

Linux Networking Commands: 50. ip Command

Linux ip command is an updated version of the ipconfig command. It is used to assign an IP address, initialize an interface, disable an interface.

Syntax:

ip a or ip addr

54. host Command

The host command is used to display the IP address for a given domain name and vice versa. It performs the DNS lookups for the DNS Query.

Syntax:

host <domain name> or <ip address>

```
most squared in indirect of sip due somewhater special special
```

51. ssh Command

Linux ssh command is used to create a remote connection through the ssh protocol. Syntax:

ssh user_name@host(IP/Domain_name)

55. Whoami command:

It tells you about the system's username. Syntax:

whoami

manor@LAPTOP-2S2C2733:~/cse\$ whoami manor manor@LAPTOP-2S2C2733:~/cse\$

52. mail Command



The mail command is used to send emails from the command line.

Syntax:

mail -s "Subject" < recipient address> Output:

javatpointējavatpolnt-Inspiron-3542:-\$ mail -s "Hello Horld" Himanshudubey481@gmail.com Hello There Hope you are doing well.

56. Who Command:

The who command gives the information about the users logged on to the system.

Syntax:

who

2016-66-30 09:24 2016-06-30 12:47 (:0)

53. ping Command

The ping command is used to check the connectivity between two nodes, that is whether the server is connected. It is a short form of "Packet Internet Groper."

Syntax:

ping <destination>

Output:

bytes from man javatpoint.com (194.189.88.121): (crp_seq=2 ttl=48 time=1843