

Course: Linux

Course Code: Linux

Session: 2016-17

Duration: 4 months

Assessment procedures: Proctored certification Exam (100%)

Curriculum of the Course:

- 1 Introduction to Linux - Novice
- 2 Introduction to Linux - Intermediate

Introduction to Linux - Novice

1. Ubuntu desktop
 - Ubuntu Desktop
 - Main Menu
 - System Tray
 - Trash Bin icon (RHS corner)
 - Desktop icon (LHS corner), pen-drive
2. Synaptic package manager
 - Synaptic Package Manager
 - How to install packages
3. Ubuntu software system
 - Ubuntu-Software-Center
 - Installing softwares through Ubuntu Software Center
4. Basic Commands
 - Commands with example
 - Command interpreter
 - Shell
 - Using man
 - Apropos
 - Whatis
 - Using --help option
5. General Purpose Utilities in Linux
 - echo
 - uname
 - who
 - passwd
 - date

- cal
- Brief overview on Files and directories
- pwd
- ls
- cat

6. File System

- File
- Directory
- File Inode
- Types of Files
- Home directory and Current directory
- Change Directory(cd)
- mkdir,rmdir

7. Working with Regular Files

- cat
- rm
- cp
- mv
- cmp
- wc

8. File Attributes

- chown, chmod, chmod -R, displaying files with ls -l
- chmod u+, chmod a-w, chmod g+w, chmod -r, chgrp
- inode, hard link, symbolic link

9. Redirection Pipes

- Input,output and error stream
- Redirection : > and >>
- Pipes : |

10. Working with Linux Process

- Process
- Shell process
- Process spawning - parent and child process
- Process attributes - pid, ppid
- Init Process
- User process & System process
- ps with options

11. The Linux Environment

- Environment variable vs Local variables
- set command
- env command
- SHELL, HOME, PATH, LOGNAME, PS1, PS2
- history
- ! and ~
- alias

12. Basics of System Administration

- Root login-su
- User management - UID, GID, useradd, usermod, userdel
- Discs – Du, df

13. Simple filters

- Head
- tail
- sort
- cut
- paste

Introduction to Linux - Intermediate

1. The grep command

- To see the content of a file
- To list the entries of a particular stream
- To ignore cases
- Lines that do not match the pattern
- To list the line numbers with the entries
- To store the result in another file
- To know the count

2. More on grep command

- Search using grep
- To match more than one pattern
- To check a word that has different spelling
- Character class
- The use of *
- To match any one character using dot
- To match a pattern at the beginning of the file
- To match a pattern at the end of the file

3. The sed command
 - sed
 - To print using sed
 - Line Addressing
 - Context Addressing
4. More on sed command
 - substitute
 - insert
 - delete

List of Students Enrolled

1	AASTHA BUBBER
2	ABHISHEK GOYAL
3	ABHISHEK GUPTA
4	AIKANSH GAUR
5	AKANKSHA AGARWAL
6	AKBAR ALI KHAN
7	ANKIT GOYAL
8	ANKIT GOYAL
9	ANKIT KUMAR
10	ANMOL GUPTA
11	ANSHU MULCHANDANI
12	APOORVA GUPTA
13	AVNEET KAUR
14	AYUSHI GUPTA
15	AYUSHI KHANDELWAL
16	BHAVYA KANTIWAL
17	BHAWNA MENDIRATTA
18	BHUPENDRA KUMAWAT
19	CHIRAG AGGARWAL
20	CHIRAG THAWANI
21	DEEPAK KUMAR
22	DEEPAK SHARMA
23	DEEPAK SHARMA
24	DEVENDRA JAIN
25	DHARMENDER GURJAR
26	DIVYASH SINGH HURA
27	EHAAB AHMAD
28	GAURAV KHANDELWAL
29	HARSH BHARDWAJ
30	HARSHITA JAIN
31	HEENA HARIRAMANI
32	HEENA PORWAL
33	HIMANSHU GARG
34	HIMANSHU SATIJA
35	ISHA VYAS

36	ISHANYA ASHUTOSH KESHODHAN
37	JAI SINGHAL
38	KAPIL JAIN
39	KARAN GOPAL GAUR
40	KARAN SUTHAR
41	KARISHMA KHANDELWAL
42	KARTIK MAHESHWARI
43	KARTIKEYA GARG
44	KASHISH KUMAWAT
45	KESHAV KUMAR SAXENA
46	KESHAV MUNDRA
47	KHUSHI AGRAWAL
48	KINJAL JAIN
49	KISHOR KUMAR SAINI
50	KRISHNA BHARDWAJ
51	KRITIKA PANDEY
52	KUNAL SHARMA
53	LAKSHAY BAJARGAAN
54	MANISH KUMAR BANSAL
55	MANOJ JESWANI
56	MANSI BHALLA
57	MAYANK KHANDELWAL
58	MAYANK TIWARI
59	MEGHA BANSAL
60	MUDIT GOYAL
61	MUKUL GARG
62	NAKUL GOYAL
63	NAVEEN CHOUDHARY
64	NEETISH KUMAR
65	NIKHIL TONGYA
66	NIPUN KUMAR JAIN
67	NITESH AGRAWAL
68	NITESH SHARMA
69	NITISHA SAINI

70	PALASH PATIDAR
71	PRACHI YADAV
72	PRAKHAR KHANDELWAL
73	PRIYANK JAIN
74	RAJ KUMAR KHACHAWA
75	RISHAV CHETAN
76	RITIKA GUPTA
77	RIYA RITU
78	SAGAR GOYAL
79	SAHARSH ANAND SHARMA
80	SAKSHEE DHUKIA
81	SAKSHI SAXENA
82	SANJAY SINGH SANKHLA
83	SAURABH KHANDELWAL
84	SHAILY JINDAL
85	SHREYA GUPTA
86	SHUBHAM BHARGAVA
87	SHUBHAM GUPTA
88	SONAL NEGI
89	SUCHITA GAUR
90	SUMIT SINGH
91	SUNIL SUMAN
92	SWATI JAIN
93	SWATI PRIYA
94	TANUSHI KHANDELWAL
95	UPENDRA UPADHYAY
96	URVASHI TAKULI
97	VAISHALI JAIN
98	VIKAS MOTIANI
99	VINAY PANCHOLI
100	VINOD SHARMA
101	YASHIKA SINGH
102	YUKTA AGRAWAL
103	ANCHAL ARORA
104	RISHI GARG
105	ABHIJEET YADAV
106	ADITYA KAMMA
107	AFZAL KHAN
108	ANMOL MATHUR
109	ASHUTOSH CHOUDHARY
110	AVINASH JAIN
111	AYUSHI GOYANKA
112	BABLU SINGH
113	BHANU PRATAP SINGH KHANGAROT
114	CHANDRA PRAKASH
115	DEVANG GANDHI
116	DEVANSH SHARMA
117	DIVYA JAIN
118	ESHAN INDOLIA

119	HARDIK DADHICH
120	HARSHIT GUPTA
121	ISHAN KALRA
122	KANIKA AGARWAL
123	KARTIK ARORA
124	KRISHAN VEER SINGH CHAUHAN
125	MANAV CHARAN
126	MANMATH VASISTHA
127	MUSKAN DOSI
128	NISHANT JAIN
129	PARAMVEER CHOUDHARY
130	PARAS MAKHIJA
131	PAWAN JANGID
132	PIYUSH JAIN
133	RAJA KUMAR SHAH
134	RITU MANGAL
135	ROHIT GUPTA
136	SHIKHA KUMARI
137	SHIVAM PANDEY
138	SOMYA RAJPUT
139	SUMIT KUMAR SRIVASTAV
140	UDITA GARG
141	VIJAY GEHLOT
142	VINEET KUMAR RAGHAV
143	RIVAK SHAH
144	DAKSH ADHIKARI
145	AAKANKSHA DIXIT
146	AJAY SAIN
147	AJAY SHARMA
148	AKANSHA MATHUR
149	AKSHITA KHATRI
150	AMAN KUMAR GAUTUM
151	AMAN MAHNOT
152	AMRITANSHU SINGH CHAUHAN
153	ANIKA KOCHER
154	ANJALI JAIN
155	ANJALI KUMARI
156	ANKIT NA
157	ANMOL BABBAR
158	ARJUN BHATIA
159	DEEPANSH SONI
160	DEEPANSHU SAMDANI
161	DHEERAJ KHANDELWAL
162	DIVYANSH SONI
163	DIXITA JAIN
164	HAROON SHAKIR QURESHI
165	HARSH MERTWAL
166	HARSH PANDYA

167	HEMANT VIKANI
168	HIMANSHU BARTIYA
169	JAYESH NAGAR
170	KALPESH SHARMA
171	KARAN RAJ SINGH
172	KRITI JOSHI
173	LATIKA ARORA
174	MALAY GARG
175	MANSI SHARMA
176	MITALI JANGID
177	NEHA ALWANI
178	NIHAL SONI
179	NITIN AGNIHOTRI
180	PARAG JAIN
181	PEEYUSH GOYAL
182	PRADEEP LAKWAL
183	PRADEEP PANDEY
184	PRAKHAR CHATTER
185	PRATEEK SEN
186	PUNEET SAXENA
187	PUNITA TIWARI
188	RAKESH SHARMA
189	RAM MOHAN JAIN
190	RISHABH VYAS
191	RITIKA SOMANI
192	ROHIT SHARMA
193	RUCHIKA JANGID
194	SAKSHI AGRAWAL
195	SAMYAK JAIN
196	SANKALP CHAWLA
197	SHIPRA AGARWAL
198	SHRADHA NA
199	SHREY AGRAWAL
200	SHUBHAM SINGHVI
201	SHUBHANG GUPTA
202	SIDDHARTH SHARMA
203	SIMRAN KHANDELWAL
204	SUMIT MATHUR
205	SUNIL SHARMA
206	TUSHAR KUMAWAT
207	VAIBHAV PARASHAR
208	VAIBHAV SANKHLA
209	VIPENDRA PAL RAJPUT
210	AYUSH GUPTA
211	PRATEEK SURANA
212	AISHWARYA SONI
213	ALEKH PANDEY
214	AKASH BHARDWAJ

215	ASMITA PUROHIT
216	ATUL GOYAL
217	AVIRAL CHAUDHARY
218	GEETA ARORA
219	KETAN SONI
220	KULDEEP SINGH
221	KUMARI SUKANYA
222	MANOJ SHARMA
223	MANSI BHATI
224	NIKHIL MASHESHWARI
225	NUPUR GUPTA
226	PRANJAL KAUSHIK
227	PRATUSH KUMAR JHA
228	RAHUL DOSI
229	REETI CHOUDHARY
230	PURVI MEHTA
231	SHASHANK PUROHIT
232	NILISHA MITRUKA
233	HIMANSHU SHARMA
234	NIHARIKA SAXENA
235	KARTIKE BANSAL
236	JYOTIRMAY AGRAWAL
237	JACKY N GAMOT
238	PUNIT SHARMA
239	KANAK GARG
240	AISHWARYA SAXENA
241	HARSHIT BHARGAVA
242	ANSHIKA GUPTA
243	VEDANT VASISHTHA
244	SAUMYA RASTOGI
245	RAJ AGARWAL
246	BHUMI SHAH
247	PURU PANERI
248	RIITWICK KRISHNATRI
249	HASSAAN ALVI
250	DEEPANSHU SHARMA
251	AMAN AGWAL
252	RISHABH GARG
253	MANISH KUMAR SINGH
254	SHARAD BISSA
255	KUHUK RASTOGI
256	AKSHAY SHARMA
257	RAHUL MATHUR
258	SURABHI SHRIVASTAVA
259	LAVISH SHARMA
260	MITALI BAJAJ
261	NEHA CHOUDHARY
262	POOJA SAHU