

Assignment -1

1. What is Linux?
2. Explain the history of Linux.
3. How Linux is different from other operating systems?
4. What are the features of Linux?
5. What are various Linux distributions?
6. Explain the difference between Linux and Unix operating system.
7. Explain the architecture of Linux.
8. How Linux is installed?
9. Explain the partitions in Linux?
10. Explain the creation of partitions using Druid (Visual Partition Utility).
11. Explain the creation of partitions using Fdisk.(Command Line)
12. Explain the booting process in Linux?
13. What are the different run-levels in Linux?
14. Explain the difference between LILO and GRUB?
15. Explain the login process of Linux.
16. How to shut down Linux system?
17. Explain the Startup Scripts in Linux?
18. Explain the inittab file parameters.
19. What is a Process?
20. Explain the ps command and its options.
21. Explain the various phases in the creation of a process?
22. What is a zombie process?
23. What is the impact on Linux system if it has a lot of Zombie processes running?

24. How the shell is created?
25. What is a Signal?
26. What are external and internal commands?
27. Write the various ways to run a job in the background.
28. List down the various job controlling commands and explain in brief.
29. Explain about the Linux Security?
30. How Linux is prepared for networking?
31. How the network is configured after installation?
32. Explain the various networking file formats, examples and considerations.

Assignment -2

1. How many types of users exist in Linux?
2. Which files are used for the user Management by the administrator?
3. Explain the file /etc/passwd in detail.
4. Explain the file /etc/group in detail.
5. Explain the powers of root or superuser in Linux?
6. What are the various user management commands in Linux?
7. Explain the usage of command 'id' with options and example.
8. Explain the usage of command 'useradd' with options and example.
9. Explain the usage of command 'passwd' with options and example.
10. Explain the usage of command 'usermod' with options and example.
11. How a user is removed from a group?
12. Explain the usage of command 'userdel' with options and example.
13. Explain the usage of command 'groupadd' with options and example.
14. Explain the usage of command 'groupdel' with options and example.

15. Explain the usage of command 'groupmod' with options and example.
16. What is Linux Shell? How many types of shells available in Linux?
17. Write a command to find all available shells in your system?
18. Write a command to find the current shell?
19. What is Shell Script?
20. What are the various popular GUI tools to add/ delete a user?
21. What do you mean by a file system?
22. Explain about the Linux file system Hierarchy Standard.
23. What are the valid Linux File Names?
24. How do you refer a file in Linux?
25. Explain about the Absolute Path Names and Relative Path Names for referring a file.
26. Explain the mounting and unmounting of File systems.
27. How the File system is automatically mounted in Linux? OR Explain about the /etc/fstab file in detail.
28. Explain the different File Types of Linux.
29. Why file permissions are required?
30. What are the various file permissions?
31. Explain the textual representation for the file permissions.
32. Explain the numeric (octal) representation for the file permissions.
33. Explain the chmod command.
34. How the disk usage limit is performed in Linux?
35. How the disk quotas are enabled?
36. How can you manage Disk Quotas?
37. Explain the various File Systems (ext2, ext3 and ReiserFs) in Linux?
38. How can you convert from Ext2 and Ext3 File Systems?

39. How the checking of file systems is done in Linux?

40. How the repairing of file systems is done in Linux?