

1. What is Linux?

Linux is an open source operating system based on UNIX

2. What is the difference between Hard Link & Soft Link?

Hard link is the another name for the same file

Soft link is the pointer to the original file

3. What is a Kernel in Linux?

It is the core part of the linux which connects the hardware with the software

4. How do you create a user account?

We can create the user account in linux by

Sudo adduser xyzname

5. What is the 'grep' command used for in Linux?

Grep command is used for searching the contents from between the file

6. Step1: Create user p1

Sudo adduser p1

Step2: He should be part of 3 groups g1,g2,g3

Sudo groupadd g1

Sudo groupadd g2

Sudo groupadd g3

Step3: whenever he creates a file automatically in the group section of file grp g1 should come.

Sudo usermod -aG g1,g2,g3

7. Step1: Create directory /tmp/bg as root user and create files inside it.

Sudo mkdir -p tmp/bg/

Step2: "abhi" should be the owner of the directory. He should be able to create files and delete files inside the directory and also he should be able to add content to all files inside the directory.

Touch tmp/bg/abc.txt

Sudo adduser abhi

Sudo chown -R abhi /tmp/bg

Sudo chmod -R u+rwx/tmp/bg

8. You suspect that a particular process is consuming excessive CPU resources on your Linux server. How would you identify and terminate this process?

We can kill any process using the **kill __** command followed by the **top** command to see which process are being run