**Quiz 4**

1. Write a script to delete blank lines in a file. Use cat and awk

Touch satish.1

Cat satish.1

Vim satish.1

1 2

3 4

5 6

7 8

Awk -f “ “ {print $1,$2} satish.1

12

34

56

78

1. Write a script to delete duplicate lines

Vim satish.1

1 2

3 4

5 6

7 8

7 8

Uniq satish.1

1 2

3 4

5 6

7 8

3. Write a shell script to delete a directory tree.

./script.sh <directory>

1. Write a shell script to see if a process is running.

By using ps -e we will see the running process

Ps -e

Pid tty time command

1 ? 00:00:01 rcd-cd

2 ? 00:00:00 kthreadd

3 ? 00:00:00 systemd

Hint: Parse output of ps command

5. Write a shell script to display the following:

Hostname, disk space usage, free & used memory, uptime and logged in users.

To display hostname

Uname command

To display disk space usage

Du command

To display free & used memory

Free command

To display uptime

Uptime command

To display logged in users

Usermode command

6. Write a shell script to display syntax of a given command

If u want to know anything about command information we are using man command

Man command name

7. Write a shell to check if a command is in PATH directory list

8. Write a shell script to transfer a file using ftp and scp.

Read about how to use ftp and scp commands in scripts. Come up with your own example.

Man scp

Scp satish.1 username@hostname:/path to the directory

Man ftp

Scp satish.1 hostname 02:12:3

9. Write a shell script to delete files older than a week.

Find ./satish.1 -name.7day.pdf

Rm satish.1 -name.7day.pdf

10. Write a shell script to implement -i version of cp command

11. Write a shell script that Searches down the directory tree from current directory, change the group owner of files in a directory to another group.

You should also check if new group exists, else, error out.

./script.sh oldgroup newgroup

12. Write a shell script to list files in size order, smallest first.

Hint: ls and sort commands

Ls

Sort ls