**Quiz 3**

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

ANS: $ sed '/^$/d' input.txt > output.txt

2. Write a script to delete duplicate lines

ANS: sort {file-name} | uniq -u

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

./script.sh <directory>

ANS:

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

Hint: Parse output of ps command

ANS: ps x |grep -v grep |grep -c "processname"

5. Write a shell script to display the following:

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

ANS:

echo "hostname"

hostname

echo "disk space usage"

du

echo "free and shared memory"

free

echo "uptime"

uptime

echo "logged in user"

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

ANS: $ cat shl

#!/bin/bash

DIR=/tmp/so

ls $DIR

$ bash -x shl

+ DIR=/tmp/so

+ ls /tmp/so

$

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

ANS:

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.

ANS:

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

ANS:

#!/bin/bash

find /u1/database/prod -type f -mtime +7 -exec rm {} \;

echo "Files older than a week are deleted"

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

ANS:

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

ANS: