**Quiz 3**

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

Ans: #!bin/bash

**awk** 'NF > 0' input.txt > output.txt

**cat** output.txt

2. Write a script to delete duplicate lines

Ans:#!bin/bash

awk ‘!seen[$0]++’ filename

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

./script.sh <directory>

Ans:#!bin/bash

Echo “usage: ./script.sh /tmp/dir.lock

If [ -d “$DIR” ]; then

Echo $ “removing lock ($DIR)”

rm –rf “$DIR”

fi

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

Hint: Parse output of ps command

Ans: #!bin/bash

If [ ps –p 4567 ]; then

Echo $ “ show $pid: ”

5. Write a shell script to display the following:

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

#!bin/bash

Cmd1=”$(hostname)”

Echo $ cmd1

Cmd2=”$(du df)”

Echo $ cmd2

Cmd3=”$(uptime)”

Echo $ cmd3

Cmd4=”$(whoami/w)”

Echo $ cmd4

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

Ans: #!bin/bash

Cmd = “$(ls)”

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

Ans:#!bin/bash

DIR\_PATH=`readlink -f "${the\_stuff\_you\_test}"`

if [[ -d "${DIR\_PATH}" ]] ; Then # now you're testing

echo "It's a dir";

fi

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: :#!bin/bash

$scp –i ~/.ssh/id\_rsa [anil@gmail.com:/path/to/bin/\*.derp](mailto:anil@gmail.com:/path/to/bin/*.derp)

#!/bin/sh

HOST='ftp.users.qwest.net'

USER='yourid'

PASSWD='yourpw'

FILE='file.txt'

ftp -n $HOST <<END\_SCRIPT

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

Ans:#!bin/bash

**find./my\_dir/\* -mtime+7 –type f -delete**

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

Ans:

#!bin/bash

Cmd =”($ cp -ir directory\_1/ /home/pungki/office/)”

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:#!bin/bash

Cmd =”$(ls -SL)”