**Quiz 3 Arun Yantrapragada**

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

Answer:

#! /bin/bash

Awk ‘NF > 0’ filename

Cat filename

1. Write a script to delete duplicate lines

Answer:

#! /bin/bash

Awk ‘!a[$0]++’ file.txt

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

./script.sh <directory>

Answer:

#! /bin/bash

rm –rf /foo/bar/\*

(or)

Cd /foo/bar

rm –rf \*

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

Answer:

#! /bin/bash

Check\_process(){

If [“$1” = “”];

then

return 0

fi

Process\_num=’ps –ef | grep “$1” | grep –v “grep” | wc -1’

$process\_num

If [$process\_num –eq 1];

then

return 1

else

return 0

fi

}

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.

Answer: #! ./bin/bash

Hostname

df –h

Uptime

who

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

Answer: #! /bin/bash

DDAY=”28-oct-2015”

Echo “d-day is on $DDAY”

Echo “today is $(date)

Echo “Linux version : $(uname -r)”

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

Answer:

#! /bin/bash

If

find /path/to/check/\* -maxdepth 0 –type f | read

then echo “Files exist”

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.

Answer:

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

Answer:

#! ./bin/bash

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

./my\_dir directory

-mtime +7 older than a week

-type f – only files

-delete – remove file

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

Answer:

#!./bin/bash

Cp –i filename1 filename2

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

Answer: ls -S