Session 1 (On shell Script)

1. Write how many types of shells

**Types of shell:**

Bash Shell

T sheel

C shell

Z shell

Korn shell

Bourne Shell

2. Create a shell script file.

Step 1: Firstly we will choose the editor like g editor or nano editor

Step 2: Assume we have chosen geditor then write the command

gedit filename.sh

step 3: then write multiple commands you want to write and then execute it.

3. Create a shell script file and execute (hello world)

Step 1: gedit file1.sh

Step 2: write the command into editor

echo “hello world”

step 3: execute the file using ./file1.sh

step 4: this will give an error that provide some permission to the user to execute the file

Step 5: Give permission to the user to execute the file using **chmod u+x file1.sh**

Step 6: now execute the command ./file1.sh

Step 7: hello world we will printed

4.Create a shell script and take the user permission to execute the file.

Step 1: gedit file2.sh

Step 2: write the command into editor

echo “hello world”

step 3: execute the file using ./file1.sh

step 4: this will give an error that provide some permission to the user to execute the file

Step 5: Give permission to the user to execute the file using **chmod u+x file1.sh**

Step 6: now execute the command ./file1.sh

Step 7: hello world we will printed

5. How to switch one shell to another shell. (copy and paste)

Ans. With the help of Ctrl+shift+c we can copy from one shell and with the help of Ctrl+shift+v we can paste it on another shell.

6. By using sha-bang execute one file.

Step 1: gedit filename.sh

#!/bin/sh

echo “hello”

step 2: sh filename.sh

8.To print the number of files in the current working directory.

To determine how many files are there in the current directory we use **ls -l.**

10. print current working directory.

Command: pwd

Output: ritika@Ritika-VirtualBox:~$ pwd

/home/ritika

12. write a script to read name from the end user and if name is Sathya then display some special messages.

Step 1: gedit message.sh

read -p "enter name: " name

if [ $name = sathya ]

then

echo "hello Sathya, how r u"

else

echo "hello"

fi

step 2: sh message.sh

13. Write a simple if else statement.

Step 1. gedit ifelse.sh

read -p "enter a name " name

if [ $name = "ritika" ]

then

echo "Hello ritika"

else

echo "Hello"

fi

Step 2: sh ifelse.sh

14. Write a simple case statement

Step 1. gedit casestatment.sh

read -p "enter no. between 0 to 4: " num

case $num in

0)

echo "zero"

;;

1)

echo "one"

;;

2)

echo "two"

;;

3)

echo "three"

;;

4)

echo "four"

;;

\*)

echo "no. is not between 0 to 4"

;;

esac

step 2: sh casestatemnt.sh

Session 2 (On git)

1. Create a local git repository

Command: Get init

1. Commit the initial code

Use command -> git commit -m “text”

1. Update the code

Use Command: cat >> file1.txt

1. Use git commands to get the updated files

Use command: cat file1.txt

1. List the changes

Command: git log

1. Create branch

Command: git branch branch\_name

1. Merge branch

Command:

Step 1: firstly checkout to the branch -> git checkout branch\_name

Step 2: $ git merge master