1**. Write how many types of shells**

**Types of shell:**

1) Bash Shell

2) T sheel

3) C shell

4) Z shell

5) Korn shell

6) Bourne Shell

2. **Create a shell script file.**

gedit <file\_name.sh>

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

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

gedit file2.sh

>> echo "Hello World"

Then ctrl + s and ctrl + q

>> ./file2.sh

>> ls -l

>> chmod u+x file1.sh

>> ./file2.sh

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.**

>>gedit file4.txt

>> #!/bin/sh

>> echo "Hello!"

ctrl + s and ctrl + q

>> sh file4.sh

**7. Consider the following variable declaration**

echo name ==>name

echo $name ==>valid

echo '$name' ==>$name

echo "$name"===>valid

>> gedit file5.sh

>> #!/bin/sh

>> name="juned"

>>echo $name

>>if [$name= "Juned"]

>>then

>>echo "Yes"

>>else

>>echo "No"

>>fi

**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.**

**9. To display the number of lines present in the file**

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

**10. print current working directory.**

Command: pwd

Output: shubham@Shubham-VirtualBox:~$ pwd

/home/shubham

**11. write a script to read employee details and save to the emp.txt file.**

>> gedit file6.sh

>> read -p "Enter the employee name: " name

>> read -p "Enter the employee address: " adr

>> read -p "Enter the employee phone: " phn

>> read -p "Enter the employee salary: " sal

>> echo "$name"

>> echo "$adr"

>> echo "$phn"

>> echo "$sal"

ctrl + s and ctrl + q

>> ./file6.sh

>> ls -l

>> chmod u+x file6.sh

>> ./file6.sh

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.**

>> gedit file8.sh

>> read -p "Enter a number: " n

>> if [$n=10]

>> then

>> echo "this is Ten"

>> else

>> echo "Not Ten"

>> fi

**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\*\*\*ASSIGNMENT==============

1. Create a local git repository

>> mkdir repo

>> cd repo

>> git init

2. Commit the initial code

>> git add .

>> git commit -m "message"

3. Update the code

>> cat>>file.txt

//add some text

>> cat file.txt

4. Use git commands to

git config

git init

git clone

git add

git commit

git diff

git reset

git status

git rm

git log

git show

git tag

git branch

git checkout

git merge

git remote

git push

git pull

git stash

5. List the changes

>> git diff

6. Create branch

>> git branch <branch\_name>

7. Merge branch

>> git checkout master

>> git merge <branch\_name>