Assignment 2 Name -Shraddha Tripathi

Q1. Make a script test.sh as below and execute it, open new terminal and kill this process using processId #!/bin/sh while true

do

sleep 4

done

Sol:-

shubham@shraddha:~ cd /Desktop/Assignment/ shubham@shraddha:~/Desktop/Assignment\$ cat>test.sh #!/bin/sh

while true

do

sleep 4

Done

shubham@shraddha:~/Desktop/Assignment\$ cat test.sh #!/bin/sh

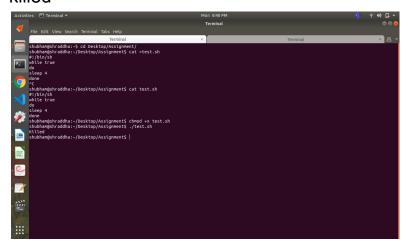
while true

do

sleep 4

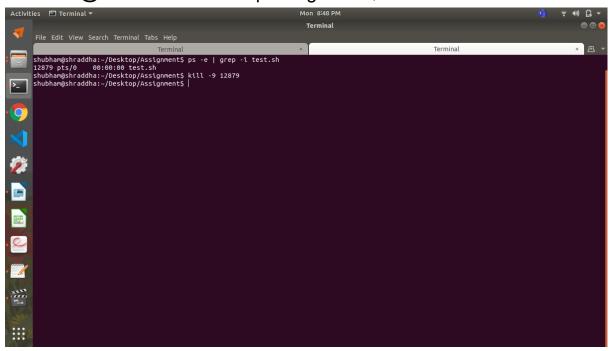
done

shubham@shraddha:~/Desktop/Assignment\$ chmod +x test.sh shubham@shraddha:~/Desktop/Assignment\$./test.sh killed



shubham@shraddha:~/Desktop/Assignment\$ ps -ef | grep test.sh 12879 pts/0 00:00:00 test.sh

shubham@shraddha:~/Desktop/Assignment\$ kill -9 12879 shubham@shraddha:~/Desktop/Assignment\$

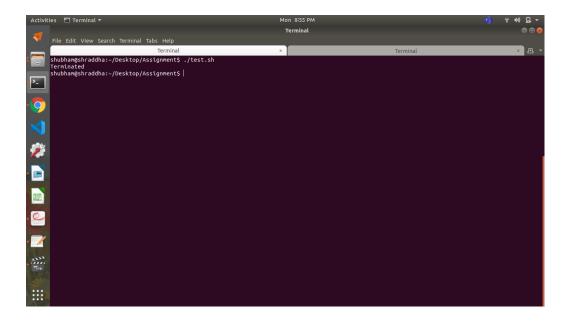


Q2. Again run test.sh and kill using name of process.

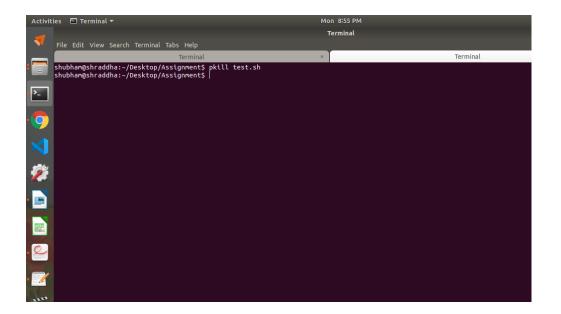
SOI-

shubham@shraddha:~ cd /Desktop/Assignment/ shubham@shraddha:~/Desktop/Assignment\$ cat test.sh #!/bin/sh while true do sleep 4

done shubham@shraddha:~/Desktop/Assignment\$ chmod +x test.sh shubham@shraddha:~/Desktop/Assignment\$./test.sh Killed



shubham@shraddha:~/Desktop/Assignment\$ pkill test.sh shubham@shraddha:~/Desktop/Assignment\$ kill -9 test.sh



Q3- Redirect both the output and error of a command to a file

Sol-

shubham@shraddha:~/Desktop/Assignment\$ cat file10 hy i m shraddha shubham@shraddha:~/Desktop/Assignment\$ cat file11

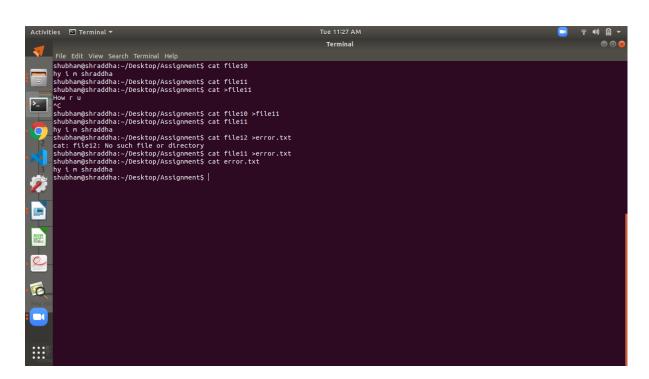
shubham@shraddha:~/Desktop/Assignment\$ cat >file11 How r u

1 1000

^C

shubham@shraddha:~/Desktop/Assignment\$ cat file10 >file11 shubham@shraddha:~/Desktop/Assignment\$ cat file11 hy i m shraddha

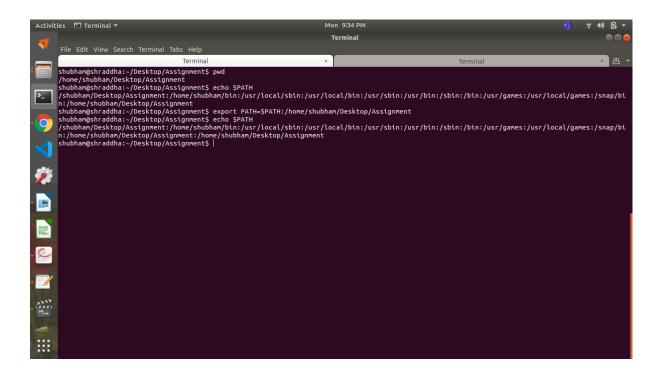
shubham@shraddha:~/Desktop/Assignment\$ cat file12 >error.txt cat: file12: No such file or directory



Q5-Include your current directory in the PATH environment variable using export command Soln-

shubham@shraddha:~/Desktop/Assignment\$ pwd /home/shubham/Desktop/Assignment shubham@shraddha:~/Desktop/Assignment\$ echo \$PATH /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin shubham@shraddha:~/Desktop/Assignment\$ export PATH=\$PATH:/home/shubham/Desktop/Assignment shubham@shraddha:~/Desktop/Assignment\$ echo path path shubham@shraddha:~/Desktop/Assignment\$ echo \$PATH /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/home/shubham/Desktop/Assignment

shubham@shraddha:~/Desktop/Assignment\$



Qus 6.Create 2 files "file1" and "file2". Create a directory "dir". Copy the files to the directory and then delete the files. Do so using shell script.

Sol-

shubham@shraddha:~/Desktop/Assignment\$ cat shell.sh touch file1.txt file2.txt

mkdir dir

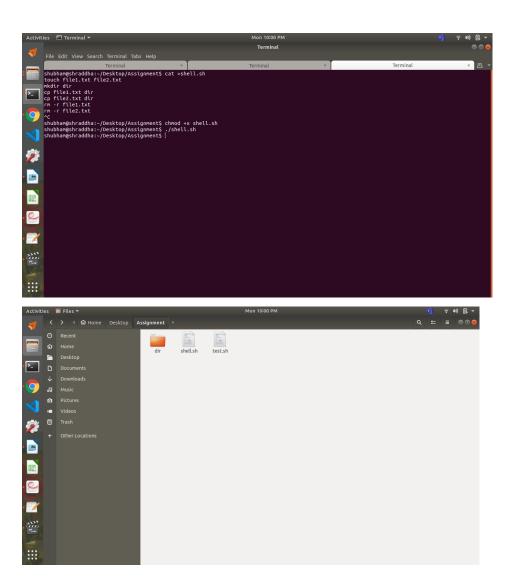
cp file1.txt dir

cp file2.txt dir

rm -r file1.txt

rm -r file2.txt

shubham@shraddha:~/Desktop/Assignment\$ chmod +x shell.sh shubham@shraddha:~/Desktop/Assignment\$./shell.sh



Qus 7. Take some input from keyboard and count number of lines you have given

Sol-

shubham@shraddha:~/Desktop/Assignment\$ cat >file1.txt

hy

by

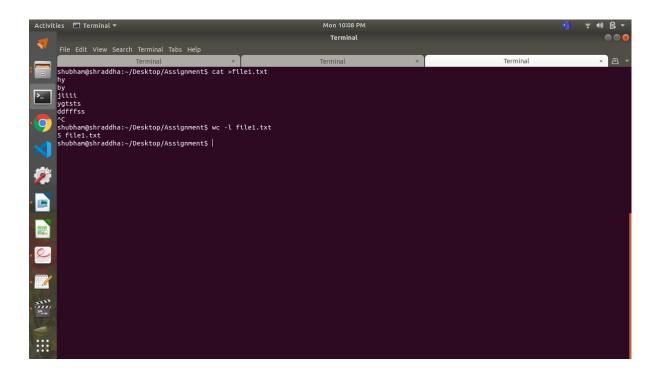
jiiii

ygtsts

ddfffss

^C

shubham@shraddha:~/Desktop/Assignment\$ wc -I file1.txt 5 file1.txt



Qus 8- Write a script to see current date, time, username and current directory.

Sol-

shubham@shraddha:~/Desktop/Assignment\$ date

Mon May 10 22:14:21 IST 2021

shubham@shraddha:~/Desktop/Assignment\$ time

real 0m0.000s

user 0m0.000s

sys 0m0.000s

shubham@shraddha:~/Desktop/Assignment\$ whoami

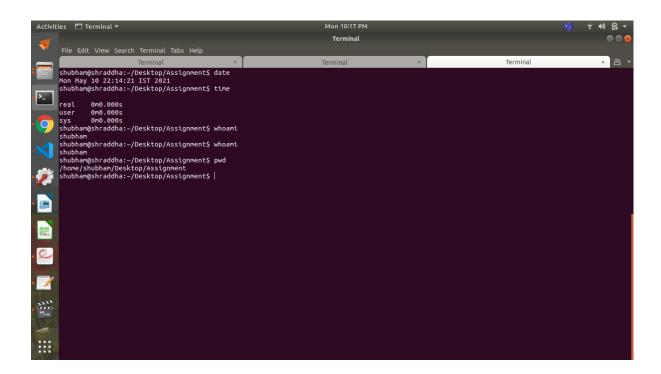
shubham

shubham@shraddha:~/Desktop/Assignment\$ whoami

shubham

shubham@shraddha:~/Desktop/Assignment\$ pwd

/home/shubham/Desktop/Assignmen

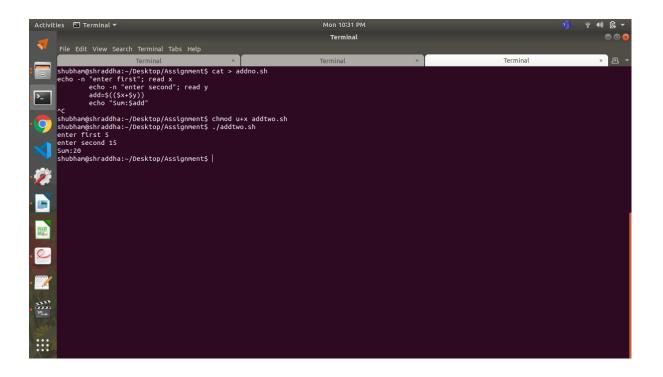


Qus 9-Write shell script that will add two numbers, which are supplied as command line argument.

Sol-

```
shubham@shraddha:~/Desktop/Assignment$ cat > addno.sh
echo -n "enter first"; read x
echo -n "enter second"; read y
add=$(($x+$y))
echo "Sum:$add"
```

shubham@shraddha:~/Desktop/Assignment\$ chmod u+x addtwo.sh shubham@shraddha:~/Desktop/Assignment\$./addtwo.sh enter first 5 enter second 15 Sum:20



10. How to perform real number calculation in shell script and store result to third variable, lets say a=5.66, b=8.67, c=a+b?

(Hint: use bc command)

Sol-

shubham@shraddha:~/Desktop/Assignment\$ cat > addusingbc.sh #!/bin/sh

echo -n "Enter first:"; read a echo -n "Enter second:"; read b c=`echo "\$a+\$b" |bc ` echo \$c

shubham@shraddha:~/Desktop/Assignment\$ chmod u+x addusingbc.sh shubham@shraddha:~/Desktop/Assignment\$./addusingbc.sh

Enter first: 6

Enter second: 34

40

shubham@shraddha:~/Desktop/Assignment\$./addusingbc.sh

Enter first: 56

Enter second: 123

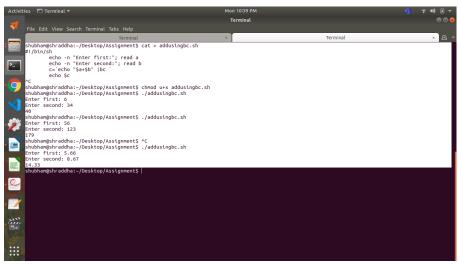
179

shubham@shraddha:~/Desktop/Assignment\$ ^C

shubham@shraddha:~/Desktop/Assignment\$./addusingbc.sh

Enter first: 5.66 Enter second: 8.67

14.33



Submitted To: Prachi Ma'am

Submitted By:Shraddha Tripathi