

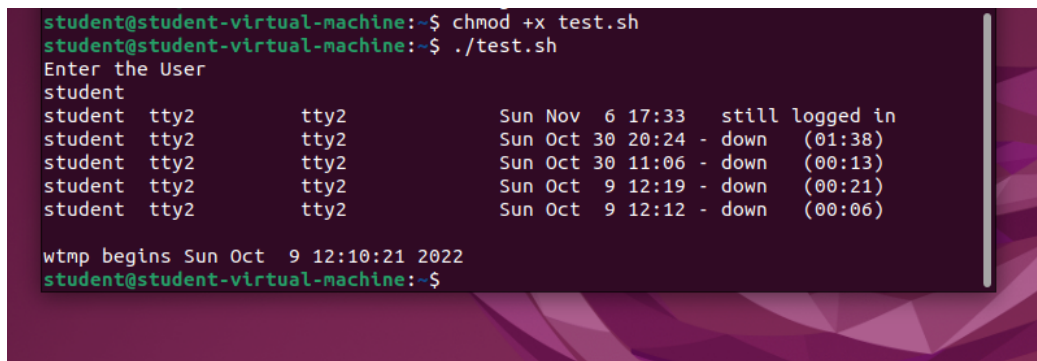
## Experiment 4

a) Write a shell script that determines the period which a specified user is working on the system.

Command: (From gedit filename.sh)

echo "Enter the user"

read user

A terminal window with a dark purple background and a geometric pattern. The prompt is 'student@student-virtual-machine:~\$'. The user enters 'chmod +x test.sh' and then './test.sh'. The script prompts 'Enter the User' and the user enters 'student'. The script then displays a table of login sessions for the user 'student'.

user	terminal	terminal	date	time	status	duration
student	tty2	tty2	Sun Nov 6	17:33	still logged in	
student	tty2	tty2	Sun Oct 30	20:24	down	(01:38)
student	tty2	tty2	Sun Oct 30	11:06	down	(00:13)
student	tty2	tty2	Sun Oct 9	12:19	down	(00:21)
student	tty2	tty2	Sun Oct 9	12:12	down	(00:06)

At the bottom, it says 'wtmp begins Sun Oct 9 12:10:21 2022' and the prompt returns to 'student@student-virtual-machine:~\$'.

b) Write a shell script that displays all the lines between start and end line numbers passed as arguments.

Command:

echo "Enter the filename"

read file

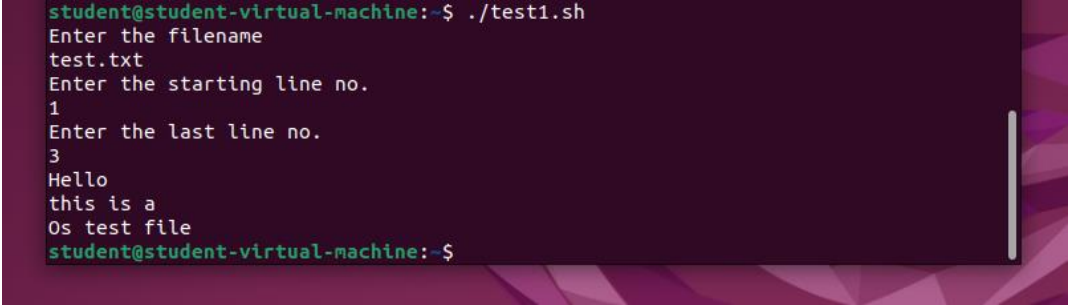
echo "Enter the starting line no."

read t

echo "Enter the last line no."

read n

sed -n \$t,\$n/p \$file



```
student@student-virtual-machine:~$ ./test1.sh
Enter the filename
test.txt
Enter the starting line no.
1
Enter the last line no.
3
Hello
this is a
Os test file
student@student-virtual-machine:~$
```

c) Write a shell script that deletes all lines containing a specified word in one or more than line files supplied as argument to it.

Command:

```
echo "Enter a word"
```

```
read word
```

```
echo "the filename are $*"
```

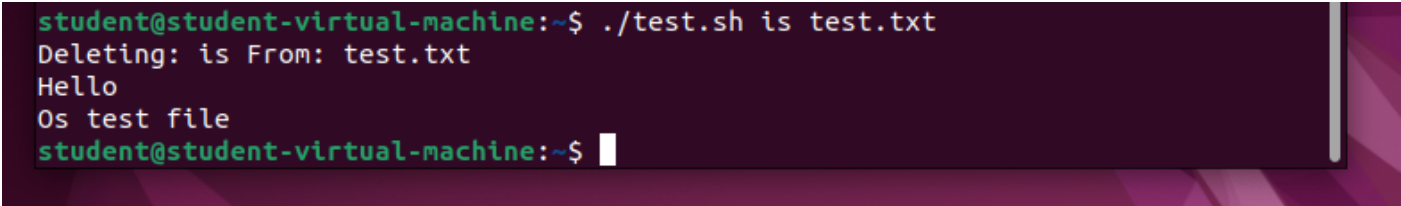
```
for i in $*
```

```
do
```

```
echo "The name of the file:"$i
```

```
grep -v $word $i
```

```
done
```



```
student@student-virtual-machine:~$ ./test.sh is test.txt
Deleting: is From: test.txt
Hello
Os test file
student@student-virtual-machine:~$
```