```
student@student-VirtualBox:~$ gedit test.sh
student@student-VirtualBox:~$ chmod +x test.sh
student@student-VirtualBox:~$ ./test.sh
enter the user
student
student  tty2              tty2              Mon Oct 31 13:04    still logged in
student  tty2              tty2              Mon Oct 31 10:53 - down    (00:26)
student  tty2              tty2              Mon Oct 31 10:19 - crash   (00:33)
student  tty2              tty2              Mon Oct 31 09:42 - crash   (00:36)
student  tty2              tty2              Fri Oct 28 13:59 - crash (2+19:43)
student  tty2              tty2              Fri Oct 28 13:23 - crash   (00:35)
student  tty2              tty2              Fri Oct 28 10:39 - crash   (02:44)
student  tty2              tty2              Fri Oct 28 10:14 - crash   (00:25)
student  tty2              tty2              Fri Oct 28 09:56 - crash   (00:17)
student  tty2              tty2              Fri Oct 28 09:49 - crash   (00:06)
student  tty2              tty2              Fri Oct 14 11:08 - crash (13+22:41)
student  tty2              tty2              Fri Oct 14 10:31 - crash   (00:36)
student  tty2              tty2              Fri Oct 14 10:13 - crash   (00:18)
student  tty2              tty2              Fri Oct 14 09:47 - crash   (00:25)
student  tty2              tty2              Wed Oct 12 10:50 - crash (1+22:56)
student  tty2              tty2              Wed Oct 12 10:40 - crash   (00:09)
student  tty2              tty2              Wed Oct 12 10:00 - crash   (00:40)
student  tty2              tty2              Tue Oct 11 13:14 - crash   (20:44)
student  tty2              tty2              Tue Oct 11 09:44 - crash   (03:30)
```

EXPERIMENT NO. 4

(A) Write a shell script that determines the period of time which is specified user is working on the system
Code:-
Echo "enter the user"
Read user

(B) **Write a shell script that displays all the lines between start and end line numbers passed as an argument**

Code:-
echo "enter the file name"
Read file
Echo "enter the starting line no. "
Read t
Echo "enter the last line no. "
Read n
Sed -n $t, $n/p $ file

Output:-

```
rommie@ubuntu: ~/Desktop
File Edit View Search Terminal Help
rommie@ubuntu:~/Desktop$ cat a.txt
Line 1 : Hello
Line 2 : GeeksForGeeks
Line 3 : Hritik
Line 4 : Hello GFG
Line 5 : Hello Hritik
rommie@ubuntu:~/Desktop$ bash main.sh
Enter the file name :
a.txt
Enter the starting line :
2
Enter the ending line :
5
Line 2 : GeeksForGeeks
Line 3 : Hritik
Line 4 : Hello GFG
Line 5 : Hello Hritik
rommie@ubuntu:~/Desktop$
```

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

Code :-
Echo "enter a word "
Read word
Echo "the file name are $*"
For I in $*
Do
Echo "the name of the file:"$i
Grep -v $ word $i
Done

```
student@student-VirtualBox:~$ ./ghi.sh
enter a word
f.txt
the filename are
student@student-VirtualBox:~$ ./ghi.sh
enter a word
Hey
the filename are
student@student-VirtualBox:~$ cat > tets.txt
Hey bhai tu kaisa
hai bhaiji
Welcome to Miet
student@student-VirtualBox:~$ ./ghi.sh
enter a word
^Z
[1]+  Stopped                 ./ghi.sh
student@student-VirtualBox:~$ ./ghi.sh tets.txt
enter a word
to
the filename are tets.txt
the name of the file: tets.txt
Hey bhai tu kaisa
hai bhaiji
student@student-VirtualBox:~$
```