

EXPERIMENT 4

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

COMMAND nano filename.sh

Echo "Enter the User Name"

read user

last \$user

[ctrl+s : SAVE , ctrl+w :EXIT]

Chmod u+x filename.sh

./filename.sh

```
gaurang@gaurang:~/Desktop$ gedit abc.sh
gaurang@gaurang:~/Desktop$ chmod u+x abc.sh
gaurang@gaurang:~/Desktop$ ./abc.sh
Enter the user
gaurang
gaurang tty2      tty2      Thu Nov  3 22:52  still logged in
gaurang tty2      tty2      Tue Nov  1 09:53 - down   (00:45)
gaurang tty2      tty2      Sun Oct 30 22:15 - down   (00:02)
gaurang tty2      tty2      Sun Oct  9 14:05 - down   (21+07:29)
gaurang tty2      tty2      Sun Oct  9 13:32 - 13:34 (00:01)
gaurang tty2      tty2      Sun Oct  9 13:03 - 13:30 (00:27)
gaurang tty2      tty2      Mon Oct  3 14:01 - down   (00:32)
gaurang tty2      tty2      Mon Oct  3 12:17 - down   (00:02)
gaurang tty2      tty2      Sun Oct  2 20:39 - down   (00:05)
gaurang tty2      tty2      Sun Oct  2 13:10 - down   (00:26)
gaurang tty2      tty2      Sun Oct  2 10:53 - down   (02:02)
gaurang tty2      tty2      Wed Sep 28 13:04 - down   (00:55)
gaurang tty2      tty2      Wed Sep 28 12:37 - crash  (00:26)
gaurang tty2      tty2      Fri Sep 23 21:14 - down   (00:10)
gaurang tty2      tty2      Fri Sep 23 14:52 - down   (02:56)
gaurang tty2      tty2      Fri Sep 23 14:43 - down   (00:07)
gaurang tty2      tty2      Fri Sep 23 00:20 - down   (14:22)
gaurang tty2      tty2      Fri Sep 23 00:14 - down   (00:00)
gaurang tty2      tty2      Fri Sep 23 00:00 - down   (00:14)
```

```
wtmp begins Thu Sep 22 23:59:04 2022
gaurang@gaurang:~/Desktop$
```

```
1 echo "Enter the user"
2 read user
3 last $user
```

B. Write a shell script that displays all the lines between start and end lines number passed as argument?

COMMAND : nano filename.sh

Echo "Enter the Filename"

Read file

echo "Enter the starting line number"

read s

echo "Enter the last line number"

read e

sed -n \$s,\$e\p \$file

chmod u+x filename.sh

./filename.sh

```

gaurang@gaurang:~/Desktop$ gedit exp4b.sh
gaurang@gaurang:~/Desktop$ chmod u+x exp4b.sh
gaurang@gaurang:~/Desktop$ ./exp4b.sh
Enter the Filename:
abcd.sh
Enter the starting line number :
2
Enter the last line number:
4
read str
if test -f $str
then echo "It is a Text File"
gaurang@gaurang:~/Desktop$ ./exp4b.sh
Enter the Filename:
abcd.sh
Enter the starting line number :
1
Enter the last line number:
5
echo " enter File"
read str
if test -f $str
then echo "It is a Text File"
elif test -d $str

```

```

1 echo "Enter the Filename:|"
2 read file
3 echo "Enter the starting line number :|"
4 read s
5 echo "Enter the last line number:|"
6 read e
7 sed -n $s,$e\p $file

```

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

COMMAND : nano filename.sh

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  
  
[ctrl + S : SAVE, ctrl + w : EXIT]  
  
chmod u+x filename.sh  
  
./filename.sh filename.txt
```

```
gaurang@gaurang:~/Desktop$ cat newf.txt  
Hi,  
welcome to OS LAB  
My name is Gaurang Mantoo  
how are you  
what are you doing  
what is thisgaurang@gaurang:~/Desktop$ gedit exp4c.sh  
gaurang@gaurang:~/Desktop$ chmod u+x exp4c.sh  
gaurang@gaurang:~/Desktop$ ./exp4c.sh newf.txt  
enter a word  
is  
The filename are newf.txt  
The name of the file : newf.txt  
Hi,  
welcome to OS LAB  
how are you  
what are you doing  
gaurang@gaurang:~/Desktop$ ./exp4c.sh newf.txt  
enter a word  
are  
The filename are newf.txt  
The name of the file : newf.txt  
Hi,  
welcome to OS LAB
```

```
My name is Gaurang Mantoo  
what is this  
gaurang@gaurang:~/Desktop$
```

```
1 echo "enter a word"
2 read word
3 echo "The filename are $"
4 for i in $*
5 do
6 echo "The name of the file : "$i
7 grep -v $word $i
8 done
```