

Experiment Number 4

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

```
ayush@ayush-VirtualBox: ~
GNU nano 6.2 script4.sh
echo "Enter the name of the user: "
read username
last $username
```

```
ayush@ayush-VirtualBox: ~$ ./script4.sh
Enter the name of the user:
ayush
ayush      tty2      tty2      Wed Nov  2 21:16   still logged in
ayush      tty2      tty2      Sun Oct  9 12:44 - down (24+08:24)
ayush      tty2      tty2      Tue Oct  4 13:49 - crash (4+22:53)
ayush      tty2      tty2      Tue Oct  4 13:34 - crash (00:15)
ayush      tty2      tty2      Mon Oct  3 22:10 - crash (15:23)
ayush      tty2      tty2      Sat Oct  1 12:44 - crash (2+09:25)
ayush      tty2      tty2      Sat Oct  1 12:08 - down (00:36)
ayush      tty2      tty2      Mon Sep 26 10:15 - crash (5+01:52)
ayush      tty2      tty2      Thu Sep 22 13:06 - down (01:48)
ayush      tty2      tty2      Mon Sep 19 10:41 - crash (3+02:24)
```

- Write a shell script that displays all the lines between start and end line numbers passed as argument.

```
ayush@ayush-VirtualBox: ~  
GNU nano 6.2 script5.sh *  
echo "Enter the file name: "  
read filename  
echo "Enter the starting line number: "  
read s  
echo "Enter the ending line number: "  
read n  
sed -n $s,$n\p $filename | cat > new.txt  
cat new.txt
```

```
ayush@ayush-VirtualBox: ~$ cat f3.txt  
hii this is sample file  
  
hii this is not a sample file  
  
hii this is sample file  
  
hii this is not a sample file  
  
hii this is sample file  
  
ayush@ayush-VirtualBox: ~$ ./script5.sh  
Enter the file name:  
f3.txt  
Enter the starting line number:  
1  
Enter the ending line number:  
3  
hii this is sample file  
  
hii this is not a sample file  
ayush@ayush-VirtualBox: ~$
```

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

```
GNU nano 6.2 script6.sh
if [ $# -eq 0 ]
then
echo NO ARGUMENTS
else
pattern=$1
shift
for fname in $*
do
if [ -f $fname ]
then
echo DELETING: $pattern FROM: $fname
sed '/' $pattern'/d' $fname

else
echo $fname :FILE NAME NOT FOUND
fi
done
fi
```

```
ayush@ayush-VirtualBox:~$ ./script6.sh
NO ARGUMENTS
ayush@ayush-VirtualBox:~$ ./script6.sh file filename
filename :FILE NAME NOT FOUND
ayush@ayush-VirtualBox:~$ ./script6.sh sample f3.txt
DELETING: sample FROM: f3.txt
sed: -e expression #1, char 1: unterminated address regex
ayush@ayush-VirtualBox:~$
```