Experiment: 4

- <u>Write a shell script that determines the period for which a specific user is working on the system</u>

```
  GNU nano 6.2                                    4a.sh
echo "Enter the name of the user : "
read username
last $username
```

```
rohin@rohin-VirtualBox:~/new$ nano 4a.sh
rohin@rohin-VirtualBox:~/new$ chmod +x 4a.sh
rohin@rohin-VirtualBox:~/new$ ./4a.sh
Enter the name of the user :
rohin
rohin      tty2           tty2             Mon Oct 31 09:41   still logged in
rohin      tty2           tty2             Sun Oct 30 19:15 - down   (00:33)
rohin      tty2           tty2             Sun Oct 30 17:13 - 18:15  (01:02)
rohin      tty2           tty2             Thu Oct 13 13:03 - down   (01:04)
rohin      tty2           tty2             Mon Oct 10 09:39 - down   (01:43)
rohin      tty2           tty2             Sun Oct  9 14:41 - down   (00:40)
rohin      tty2           tty2             Mon Oct  3 15:39 - down   (00:30)
rohin      tty2           tty2             Mon Oct  3 10:12 - down   (01:04)
rohin      tty2           tty2             Mon Oct  3 09:40 - down   (00:30)
rohin      tty2           tty2             Sun Oct  2 21:10 - 21:50  (00:39)
rohin      tty2           tty2             Thu Sep 29 13:04 - down   (01:30)
rohin      tty2           tty2             Wed Sep 28 18:23 - 18:56  (00:33)
rohin      tty2           tty2             Thu Sep 22 22:33 - down   (00:03)
rohin      tty2           tty2             Thu Sep 22 13:02 - down   (01:23)
rohin      tty2           tty2             Thu Sep 22 12:26 - down   (00:08)
rohin      tty2           tty2             Thu Sep 15 15:04 - down   (3+20:11)
rohin      tty2           tty2             Thu Sep 15 13:21 - down   (00:18)
rohin      tty2           tty2             Mon Sep 12 16:00 - 16:09  (00:08)
rohin      tty2           tty2             Mon Sep 12 15:36 - crash  (00:23)
rohin      tty2           tty2             Mon Sep 12 09:39 - 11:15  (01:36)
rohin      tty2           tty2             Thu Sep  8 13:16 - crash (3+20:21)
rohin      tty2           tty2             Thu Sep  8 12:54 - crash  (00:21)
rohin      tty2           tty2             Thu Sep  8 00:10 - down   (00:21)

wtmp begins Thu Sep  8 00:08:02 2022
rohin@rohin-VirtualBox:~/new$
```

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

```
  GNU nano 6.2
echo "enter the filename"
read fname
echo "enter the starting line number"
read s
echo "enter the ending line number"
read n
sed -n $s,$n\p $fname
```

```
rohin@rohin-VirtualBox:~/new$ nano 4c.sh
rohin@rohin-VirtualBox:~/new$ chmod +x 4c.sh
rohin@rohin-VirtualBox:~/new$ nano rohin.txt
rohin@rohin-VirtualBox:~/new$ ./4c.sh
enter the filename
rohin.txt
enter the starting line number
1
enter the ending line number
4
hii
hello
bye
hii
```

- 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                              4b.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

                              [ Read 16 lines ]
```

```
rohin@rohin-VirtualBox:~/new$ nano 4b.sh
rohin@rohin-VirtualBox:~/new$ ./4b.sh
./4b.sh: line 16: syntax error: unexpected end of file
rohin@rohin-VirtualBox:~/new$ nano 4b.sh
rohin@rohin-VirtualBox:~/new$ chmod +x 4b.sh
rohin@rohin-VirtualBox:~/new$ ./4b.sh
NO ARGUMENTS
rohin@rohin-VirtualBox:~/new$ ./4b.sh MIET a1.txt
DELETING: MIET FROM: a1.txt
Anil      025   19.75
rohin@rohin-VirtualBox:~/new$ nano a5.txt
rohin@rohin-VirtualBox:~/new$
```