EXPERIMENT 4

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

```
 GNU nano 6.2                                  khushi.sh
echo "enter the name of the user:"
read username
last $username
```

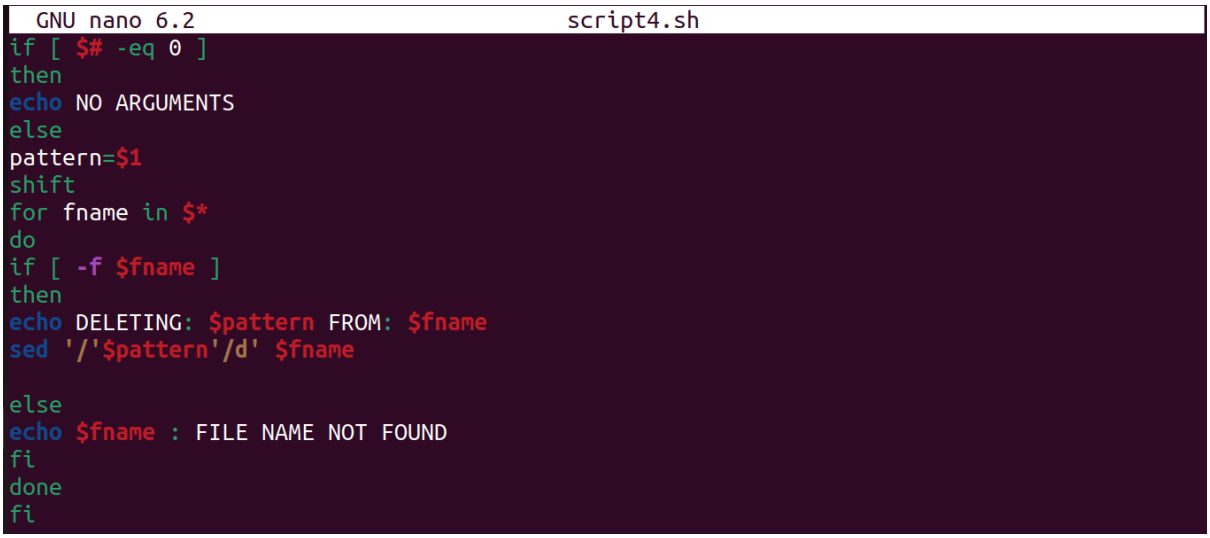
```
khushi@khushi-VirtualBox:~$ nano khushi.sh
khushi@khushi-VirtualBox:~$ chmod +x khushi.sh
khushi@khushi-VirtualBox:~$ ./khushi.sh
enter the name of the user:
khushi
khushi   tty2         tty2             Wed Nov  9 15:30   still logged in
khushi   tty2         tty2             Wed Nov  9 15:26 - crash  (00:02)
khushi   tty2         tty2             Wed Nov  2 19:19 - crash (6+20:06)
khushi   tty2         tty2             Wed Nov  2 18:37 - crash  (00:41)
khushi   tty2         tty2             Wed Nov  2 18:16 - down   (00:20)
```

- **Shell script that displays all the lines between start and end line numbers passed as argument.**

```
 GNU nano 6.2                                  script3.sh
echo "Enter the filename: "
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 > new1.txt
cat new1.txt
```

```
khushi@khushi-VirtualBox:~$ nano script3.txt
khushi@khushi-VirtualBox:~$ nano script3.sh
khushi@khushi-VirtualBox:~$ chmod +x script3.sh
khushi@khushi-VirtualBox:~$ ./script3.sh
Enter the filename:
script3.txt
Enter the starting line number:
1
Enter the ending line number:
4
this is a sample file
no sample in this file
this sample file exists
this sample does not exists
khushi@khushi-VirtualBox:~$
```

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



```
  GNU nano 6.2                                  script4.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
```