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
Script: echo "enter the desired username:"
     read user
     last $user
Terminal: chmod +x filename
     ./nameofthefile.sh

```
echo "Enter the desired username:"
read user
last $user
```

```
┌──(aakash㉿kali)-[~/Desktop]
└─$ sh exp4.sh
Enter the desired username:
aakash

wtmp begins Sun Sep 25 14:21:31 2022
```

(B)Write a shell script that displays all the lines between start and end line numbers passed as arguments.
Command: nano filename.sh
Script: 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
Terminal: chmod +x filename
     ./nameofthefile.sh

```
┌──(aakash㉿kali)-[~]
└─$ cd Desktop

┌──(aakash㉿kali)-[~/Desktop]
└─$ cat exp4.txt
hello how are you
have you tried
watching the marvel movies

┌──(aakash㉿kali)-[~/Desktop]
└─$ sh exp4_.sh
Enter the filename:
exp4.txt
Enter the starting line number:
1
Enter the ending line number:
2
hello how are you
have you tried
```

```
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
```

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

Command: nano filename.sh

Script: 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

```
┌──(aakash㉿kali)-[~/Desktop]
└─$ cat  exp4.txt
hello how are you
have you tried watching marvel movies
these movies are the best

┌──(aakash㉿kali)-[~/Desktop]
└─$ sh e.sh movies exp4.txt
Deleting: movies From:
hello how are you
```

```
if [ $# -eq 0 ]
then
echo NO ARGUMENTS
else
pattern=$1
shift
for fname in $*
do
if [ -f $fname ]
then
echo Deleting: $pattern From: $fanme
sed '/'$pattern'/d' $fname
else
echo $fname: filename not found
fi
done
fi
```