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

```
echo "Enter the name of the user"
read rg
last rg
```

```
rakshit@RG:~/sample$ ./user.sh
Enter the name of the user
rakshit

wtmp begins Sun Sep 11 17:51:27 2022
rakshit@RG:~/sample$
```

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

```
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 | cat > new.txt
cat new.txt
```

```
rakshit@RG:~/sample$ cat file.txt
I'm from miet !!
miet is a college !!
miet is in jammu !!
this is ubuntu !!
rakshit@RG:~/sample$ ./extract.sh
Enter the filename
file.txt
Enter the Starting line number
2
Enter the Ending line number
3
miet is a college !!
miet is in jammu !!
rakshit@RG:~/sample$
```

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

```
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
```

```
rakshit@RG:~/sample$ cat file.txt
I'm from miet !!
miet is a college !!
miet is in jammu !!
this is ubuntu !!
rakshit@RG:~/sample$ ./del.sh miet file.txt
DELETING: miet FROM: file.txt
this is ubuntu !!
rakshit@RG:~/sample$ ./del.sh
NO ARGUMENTS
rakshit@RG:~/sample$
```