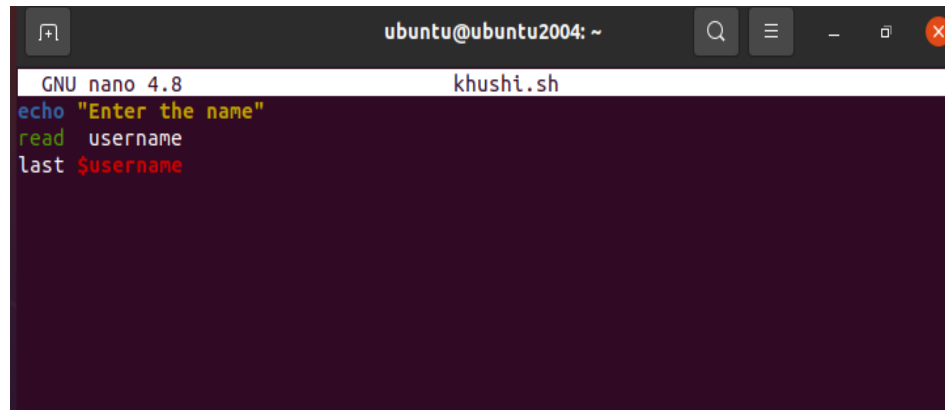
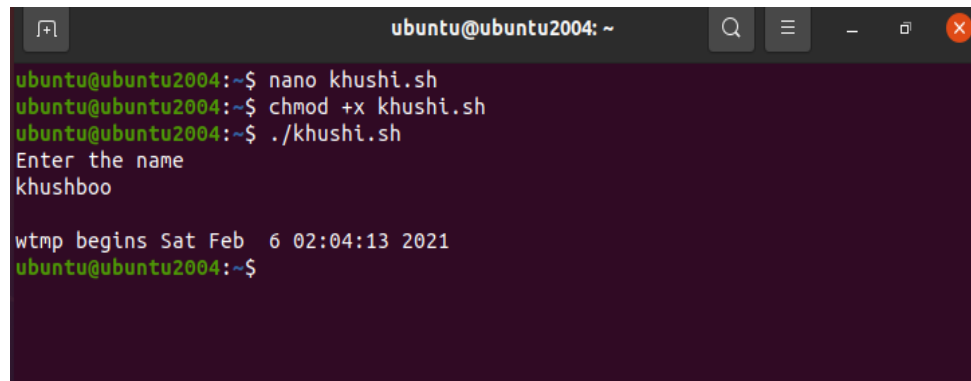


# EXPERIMENT 4

(A) Write a shell that determines the period for which specified user is working on the system.



```
ubuntu@ubuntu2004: ~  
GNU nano 4.8 khushi.sh  
echo "Enter the name"  
read username  
last $username
```

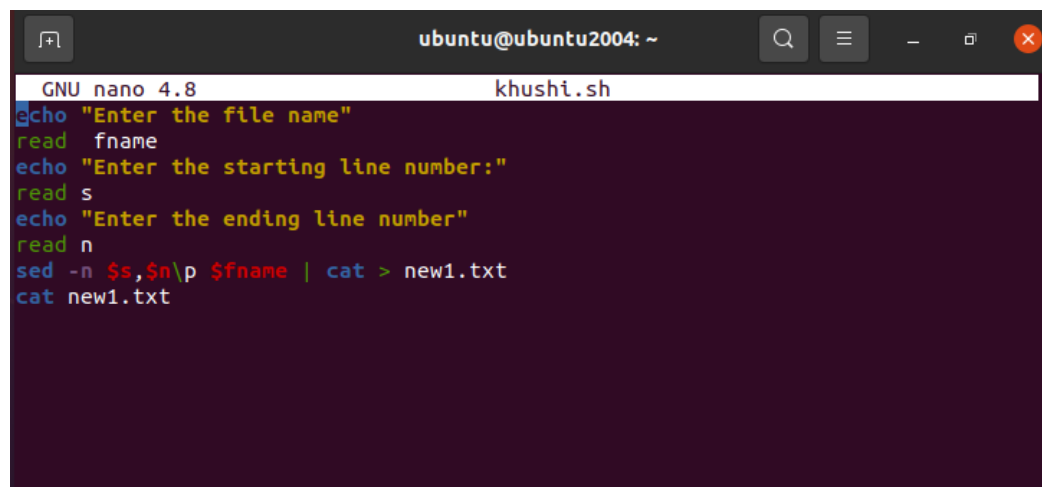


```
ubuntu@ubuntu2004:~$ nano khushi.sh  
ubuntu@ubuntu2004:~$ chmod +x khushi.sh  
ubuntu@ubuntu2004:~$ ./khushi.sh  
Enter the name  
khushboo  
  
wtmp begins Sat Feb 6 02:04:13 2021  
ubuntu@ubuntu2004:~$
```

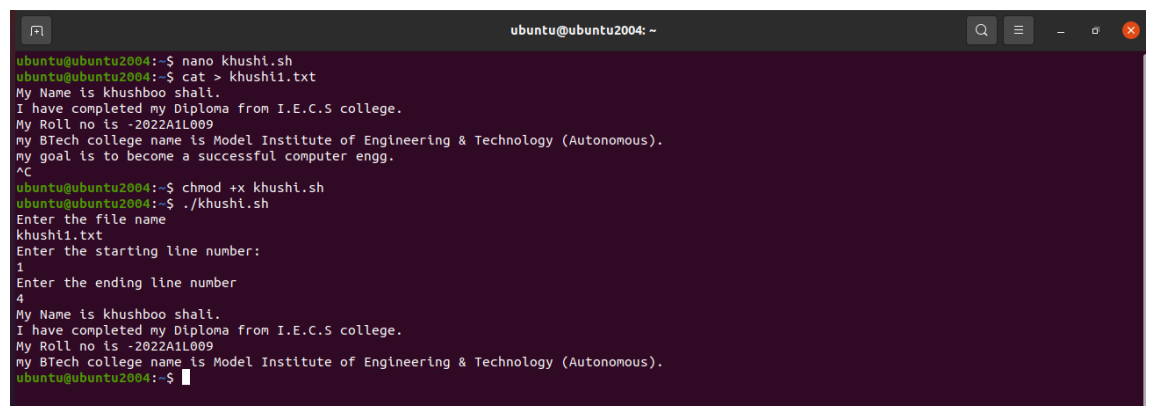
(B) Write a shell script that displays all the lines between start and end line numbers passed as argument.

COMMAND: - nano file.sh

```
echo "Enter the desired username ;"  
read user  
echo "Enter the starting line number ;"  
read s  
echo "Enter the ending line number ;"  
read n  
sed -n $s,$n \p $ name
```



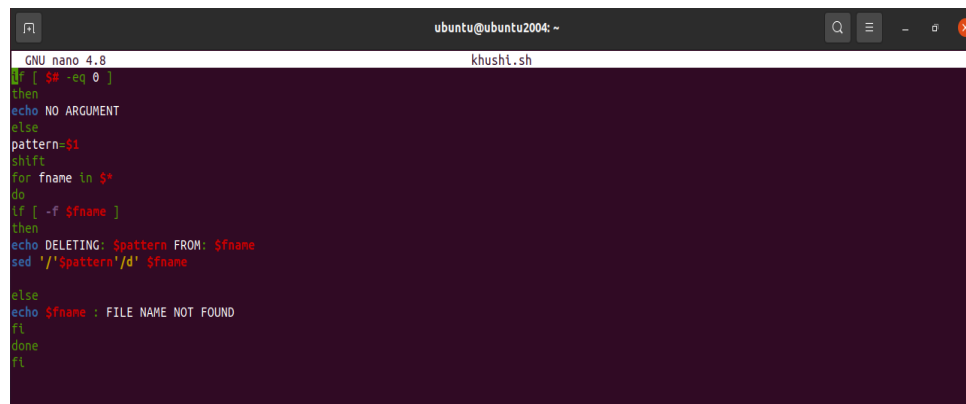
```
ubuntu@ubuntu2004: ~  
GNU nano 4.8 khushi.sh  
echo "Enter the file name"  
read fname  
echo "Enter the starting line number:"  
read s  
echo "Enter the ending line number"  
read n  
sed -n $s,$n\p $fname | cat > new1.txt  
cat new1.txt
```



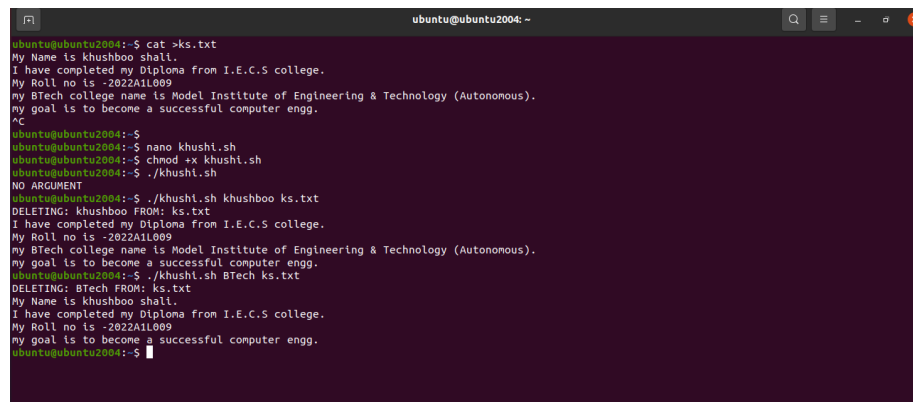
```
ubuntu@ubuntu2004: ~  
ubuntu@ubuntu2004:~$ nano khushi.sh  
ubuntu@ubuntu2004:~$ cat > khushi1.txt  
My Name is khushboo shali.  
I have completed my Diploma from I.E.C.S college.  
My Roll no is -2022A1L009  
my BTech college name is Model Institute of Engineering & Technology (Autonomous).  
my goal is to become a successful computer engg.  
^C  
ubuntu@ubuntu2004:~$ chmod +x khushi.sh  
ubuntu@ubuntu2004:~$ ./khushi.sh  
Enter the file name  
khushi1.txt  
Enter the starting line number:  
1  
Enter the ending line number  
4  
My Name is khushboo shali.  
I have completed my Diploma from I.E.C.S college.  
My Roll no is -2022A1L009  
my BTech college name is Model Institute of Engineering & Technology (Autonomous).  
ubuntu@ubuntu2004:~$
```

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

```
SCRIPT: - if [ $# -eq 0 ]
then echo " NO ARGUMENTS"
pattern = $ 1
shift
for fname in $ 2
do
if [ -f $ name ]
then
echo Deleting : $ pattern from : $ name
sed '/' $ pattern '/' $ f name
else
echo $ fname: FILE NAME NOT FOUND
fi
Done
fi
```



```
GNU nano 4.8 khushi.sh
if [ $# -eq 0 ]
then
echo NO ARGUMENT
else
pattern=$1
shift
for fname in $*
do
if [ -f $fname ]
then
echo DELETING: $pattern FROM: $fname
sed '/'$pattern '/' $fname
else
echo $fname : FILE NAME NOT FOUND
fi
done
fi
```



```
ubuntu@ubuntu2004:~$ cat >ks.txt
My Name is khushboo shall.
I have completed my Diploma from I.E.C.S college.
My Roll no is -2022A1L009
my BTech college name is Model Institute of Engineering & Technology (Autonomous).
my goal is to become a successful computer engg.
PC
ubuntu@ubuntu2004:~$
ubuntu@ubuntu2004:~$ nano khushi.sh
ubuntu@ubuntu2004:~$ chmod +x khushi.sh
ubuntu@ubuntu2004:~$ ./khushi.sh
NO ARGUMENT
ubuntu@ubuntu2004:~$ ./khushi.sh khushboo ks.txt
DELETING: khushboo FROM: ks.txt
I have completed my Diploma from I.E.C.S college.
My Roll no is -2022A1L009
my BTech college name is Model Institute of Engineering & Technology (Autonomous).
my goal is to become a successful computer engg.
ubuntu@ubuntu2004:~$ ./khushi.sh BTech ks.txt
DELETING: BTech FROM: ks.txt
My Name is khushboo shall.
I have completed my Diploma from I.E.C.S college.
My Roll no is -2022A1L009
my goal is to become a successful computer engg.
ubuntu@ubuntu2004:~$
```