

## **EXPERIMENT 4**

**NAME: Sahil Chib**

**ROLLNO.2021A1R160**

**CSE SEM 3**

**OPERATING SYSTEM (COM-312)**

## Experiment4:

**(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

```
1 echo "enter the filename"
2 read user
3 last $user
```

```
sahil@sahil-virtualbox :~/Desktop$ gedit filename.sh
sahil@sahil-virtualbox :~/Desktop$ chmod +x filename.sh
sahil@sahil-virtualbox :~/Desktop$ ./filename.sh
enter the filename
Ananddeep
wtmp begins Fri Sep 16 13:14:59 2022
sahil@sahil-virtualbox :~/Desktop$
```

**(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**

```
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
```

```
sahil@sahil-virtualbox :/mnt/4$ cat f3.txt
hello how are you
welcome to miet
this is cse branch
this is 3rd sem
sahil@sahil-virtualbox :/mnt/4$ ./exp4b.sh
enter the filename:
f3.txt
enter the starting line number:
1
enter the ending line number:
3
hello how are you
welcome to miet
this is cse branch
```

**(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**

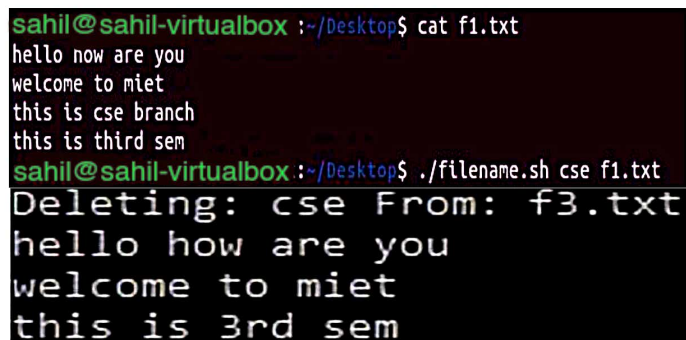
**for fname in \$\***

**do**

```
if [ -f $fname ]  
then  
echo Deleting: $pattern From: $fname  
sed '/$ pattern'/d' $fname  
else  
echo $fname: File name not found  
fi  
done  
fi
```

**Terminal: chmod +x filename**

**./nameofthefile.sh**

A terminal window screenshot with a dark background. The prompt is 'sahil@sahil-virtualbox :~/Desktop\$'. The first command is 'cat f1.txt', which outputs four lines: 'hello now are you', 'welcome to miet', 'this is cse branch', and 'this is third sem'. The second command is './filename.sh cse f1.txt', which outputs 'Deleting: cse From: f3.txt' followed by the same four lines as before, but the third line is now 'this is 3rd sem'.