

6.1 Write a menu- driven program for the following options

- a) Accept a file name, starting and ending line numbers as arguments and display all the lines between the given line numbers from the file.**
- b) Check whether the file has write permission or not, if there is no write permission give write permission to that file**

```
fname=$1;
start=$2;
end=$3;
echo "Menu";
echo "1.Lines between the range";
echo "2.write permission or not";
echo "Select your option";
read opt;
case $opt in
1)
end=$(( $end-1 ));
d=$(( $end-$start ));
head -$end $fname | tail -$d
;;
2)
if [ -w $fname ]
then
echo "writable";
else
chmod 222 $fname;
echo "write permission granted";
```

fi

;;

*)

echo "invalid option"

esac

```
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ cat data.txt
a
b
c
d
e
f
1
2
3
5
10
11
12
13
66
77
88
90
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ bash 6_1.sh data.txt 1 10
Menu
1.Lines between the range
2.write permission or not
Select your option
1
b
c
d
e
f
1
2
3
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ bash 6_1.sh data.txt 1 10
Menu
1.Lines between the range
2.write permission or not
Select your option
2
writable
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ _
```

6.2 Write a shell program that takes a number as command line argument and prints its table in below format:

**2 * 1 = 2
2 * 2 = 4
...
2 * 10 = 20**

```
n=$1;  
for((i=1;i<=10;i++))  
do  
t=$(( $n * $i ));  
echo "$n * $i=$t";  
done
```

```
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program  
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program$ bash 6_2.sh 3  
3 * 1=3  
3 * 2=6  
3 * 3=9  
3 * 4=12  
3 * 5=15  
3 * 6=18  
3 * 7=21  
3 * 8=24  
3 * 9=27  
3 * 10=30  
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program$
```

