

7.1 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 write permission Append two more lines 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 $fname ]
then
echo "writable";
echo "Line 1">>$fname;
echo "Line 2">>$fname;
else
```

```
echo "No write permission";
```

```
fi
```

```
;;
```

```
*)
```

```
echo "invalid option"
```

```
esac
```

```
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ bash 7_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$ cat data.txt
a
b
c
d
e
f
1
2
3
5
10
11
12
13
66
77
88
90
Line 1
Line 2
Line 1
Line 2
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$
```

7.2 Write a shell program to find largest among three numbers

```
echo "enter the three numbers";
```

```
read a b c;
```

```
if [ $a -gt $b ] && [ $a -gt $c ]
```

```
then
    echo "$a is largest";
elif [ $b -gt $a ] && [ $b -gt $c ]
then
    echo "$b is largest";
else
    echo "$c is largest";
fi
```

```
alan@DESKTOP-N0TVOD0: /mnt/e/networklab/shell_program
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$ bash 7_2.sh
enter the three numbers
12 33 11
33 is largest
alan@DESKTOP-N0TVOD0:/mnt/e/networklab/shell_program$
```