

1. Write a shell program to display the content of a file after reading the file.

Code :-

```
echo "Enter Location of your file : "  
read x  
cat $x
```

Output :-

```
root@Swapnil:~# sh first.sh  
Enter Location of your file :  
/root/Desktop/test.txt  
Test File  
Program No 1  
♦♦♦♦♦  
root@Swapnil:~#
```

2. Write a shell program to display the first three lines of a file.

Code :-

```
echo "Enter Location of your file : "  
read x  
head -3 $x
```

Sample Output :-

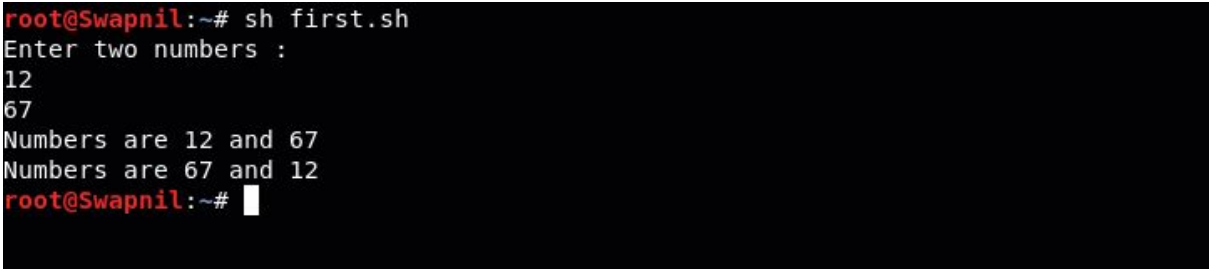
```
root@Swapnil:~# sh first.sh  
Enter Location of your file :  
/root/Desktop/test.txt  
Test File  
Program No 1  
♦♦♦♦♦  
root@Swapnil:~# cat /root/Desktop/test.txt  
Test File  
Program No 1  
♦♦♦♦♦  
Alpha  
Beta  
Gamma  
Theta  
Tilde~  
root@Swapnil:~#
```

3. Write a shell program to perform the swapping between two numbers taken from user during run time.

Code :-

```
echo "Enter two numbers : "  
read x  
read y  
echo "Numbers are $x and $y"  
z=$x  
x=$y  
y=$z  
echo "Numbers are $x and $y"
```

Sample output :-



```
root@Swapnil:~# sh first.sh  
Enter two numbers :  
12  
67  
Numbers are 12 and 67  
Numbers are 67 and 12  
root@Swapnil:~#
```

4. Write a shell program to print the largest among three numbers by passing the numbers through command line arguments.

Code :-

```
echo "Enter three numbers : "  
read x  
read y  
read z  
if [ $x -gt $y ]  
then  
    if [ $x -gt $z ]  
    then  
        echo "$x is greatest"  
    else  
        echo "$z is greatest"  
    fi  
else  
    if [ $y -gt $z ]  
    then  
        echo "$y is greatest"  
    else  
        echo "$z is greatest"  
    fi  
fi
```

Sample Output :-

```
root@Swapnil:~# sh first.sh
Enter three numbers :
45
12
65
65 is greatest
root@Swapnil:~#
```

5. Write a shell program to display the following mark sheets of students by taking the input marks of student through the terminal

Marks range Grade

90>=M<=100 A

70>=M<=89 B

40>=M<=69 C

M<40 F

Code :-

```
echo "Enter Marks : "
read M
if [ $M -lt 100 ]&&[ $M -gt 90 ]
then
    echo "Grade A"
elif [ $M -lt 89 ]&&[ $M -gt 70 ]
then
    echo "Grade B"
elif [ $M -lt 69 ]&&[ $M -gt 40 ]
then
    echo "Grade C"
else
    echo "Grade F"
fi
```

Sample Output :-

```
root@Swapnil:~# sh first.sh
Enter Marks :
56
Grade C
root@Swapnil:~# sh first.sh
Enter Marks :
83
Grade B
root@Swapnil:~# sh first.sh
Enter Marks :
23
Grade F
root@Swapnil:~# sh first.sh
Enter Marks :
99
Grade A
root@Swapnil:~#
```