LAB - 4 Assignment

Q1. Write a shell program to add two numbers given by user.

```
sukhendu@BeastKing: ~/day4
┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ cat addTwoNum.sh
read -p "Enter first number: " num1
read -p "Enter second number: " num2

sum=$(( $num1 + $num2 ))

echo "Sum is: $sum"

┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ bash addTwoNum.sh
Enter first number: 5
Enter second number: 10
Sum is: 15
```

Q2. Write a shell program to perform the swapping between two numbers taken from user during run time.

```
┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ cat swapTwoNum.sh
echo "enter first number"
read a
echo "enter second number"
read b
echo "a before swapping is $a and b is $b"
a=$((a+b))
b=$((a - b))
a=$((a-b))
echo "a after swapping is  $a and b is $b"

┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ bash swapTwoNum.sh
enter first number
4
enter second number
5
a before swapping is 4 and b is 5
a after swapping is  5 and b is 4
```

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Q3. Write a shell program to perform the multiply two numbers given as command line arguments.

```
sukhendu@BeastKing: ~/day4

┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ cat multTwoNum.sh
echo Enter a:
read a
echo Enter b:
read b
ans=$((a * b))
echo $ans

┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ bash multTwoNum.sh
Enter a:
5
Enter b:
20
100
```

Q4. Write a shell program to print the largest among three numbers by passing the numbers through command line arguments.

```
sukhendu@BeastKing: ~/day4

┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ bash greatestOfThree.sh
Enter 1st No: 4
Enter 2nd No: 20
Enter 3rd No: 9
Greatest of three numbers is: 20

┌──(sukhendu㉿BeastKing)-[~/day4]
└─$ cat greatestOfThree.sh
read -p "Enter 1st No: " num1
read -p "Enter 2nd No: " num2
read -p "Enter 3rd No: " num3

if [ $num1 -gt $num2 ] && [ $num1 -gt $num3 ]
then
    echo "Greatest of three numbers is: $num1"
elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]
then
    echo "Greatest of three numbers is: $num2"
else
    echo "Greatest of three numbers is: $num3"
fi
```

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Q5. Write a shell program to display the following mark sheets of students by taking the input marks of student through the terminal

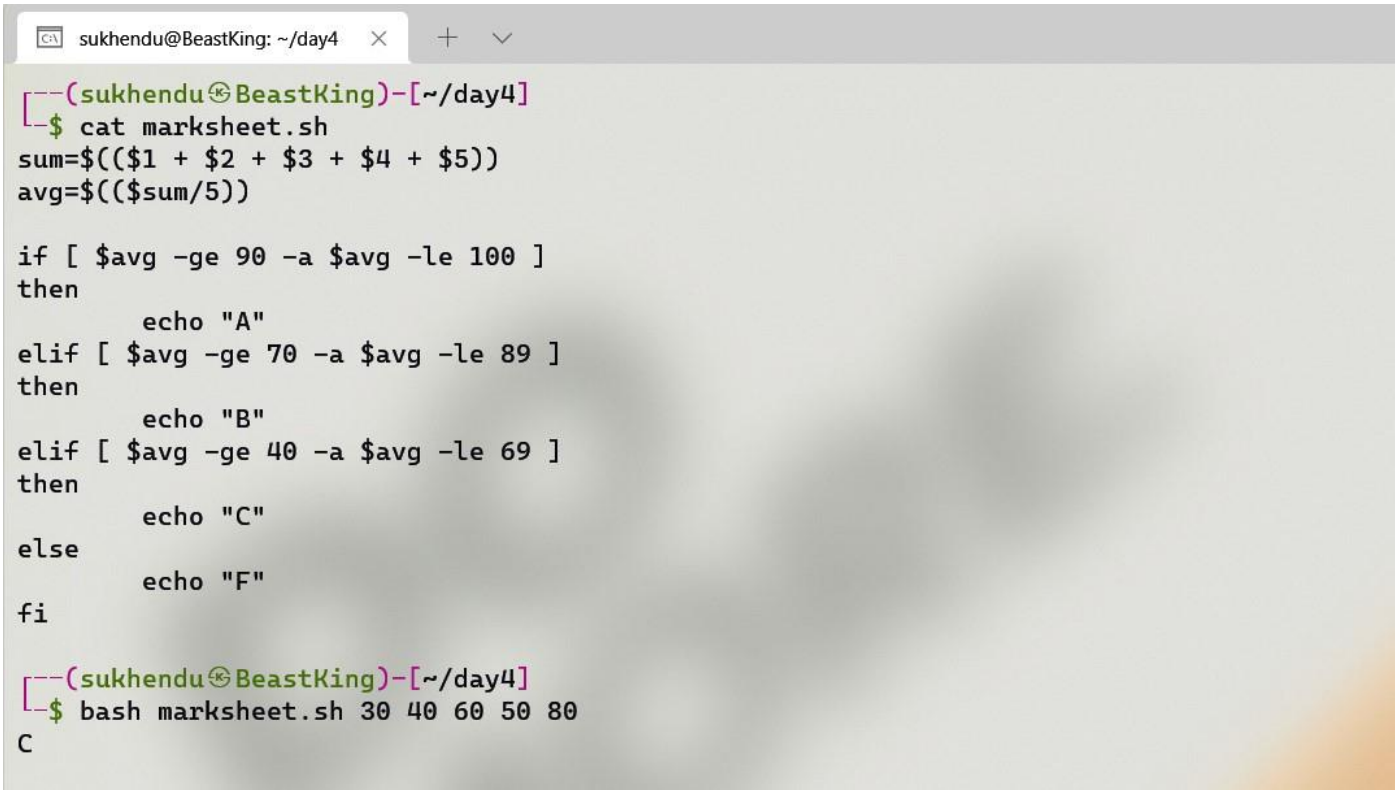
Marks range Grade

90>=M<=100 A

70>=M<=89 B

40>=M<=69 C

M<40 F



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