ITC LAB #06(A)
LAB TASK

Write a program that computes the net amount of a bank account based a transaction log from console input. **(Use while loop)**

Your program should ask the user to press D for Deposit or W for Withdraw or Q to quit and see the net amount

OUTPUT:

```
Press D for Deposit, W for withdraw or Q for quit: D
D =300
Press D for Deposit, W for withdraw or Q for quit: D
D =300
Press D for Deposit, W for withdraw or Q for quit: W
W =200
Press D for Deposit, W for withdraw or Q for quit: D
D= 100

Press D for Deposit, W for withdraw or Q for quit: Q
Net Amount =500
```

Write a program in C++ to find the sum of the series **(use for loop)**

$$1 + 1/2^2 + 1/3^3 + ..+ 1/n^n$$

Output:

```
Input the value for nth term: 5
1/1^1 = 1
1/2^2 = 0.25
1/3^3 = 0.037037
1/4^4 = 0.00390625
1/5^5 = 0.00032
The sum of the above series is: 1.29126
```

Hint (#include<cmath> pow(1,2) //1^2)

- Write a program in C++ to display number upto given integer and its sum **(use for & while loop)**

Output

Input the number of terms : 5

1,2,3,4,5

Sum=15

Do this program using do while loop

- Write a program that takes two numbers from the user and operation that user want to perform and display the result accordingly. Ask the user whether he/she wants to continue or not

See the output below

Output

Enter the value 1:2
Enter the value 2:3
======List of operation======
Press + for Addition
Press - for Subtraction
Press * for Multiplication
Press / for Division
==============================
+
Addition: 5
Do you want to continue(y/n)?y
Enter the value 1:3
Enter the value 2:4
======List of operation======
Press + for Addition
Press - for Subtraction
Press * for Multiplication
Press / for Division
==============================
-
Subtraction: -1
Do you want to continue(y/n)?y
Enter the value 1:4
Enter the value 2:5
======List of operation======
Press + for Addition
Press - for Subtraction
Press * for Multiplication
Press / for Division
==============================
*
Multiplication: 20
Do you want to continue(y/n)?y
Enter the value 1:4
Enter the value 2:2
======List of operation======
Press + for Addition
Press - for Subtraction

```
Press * for Multiplication
Press / for Division
==============================
/
Division: 2
Do you want to continue(y/n)?n
Press any key to continue …
```