**Lab Tasks**

**Task# 1.**

Write a function to check whether the entered number is an even/odd number.

**Task# 2.**

Write a function to check whether the entered number is a positive/negative number.

**Task# 3.**

Write a function to check whether the entered number is an rational/irrational number.

**Task# 4.**

Write a program in C to read 10 numbers from user and find their sum and average.

**Task# 5.**

Write a program in C to display the multiplication table of a given integer.

**Task# 6.**

Write a program in C to display the n terms of odd natural number and their sum.

Expected Output:  
Input number of terms : 10  
  
The odd numbers are :1 3 5 7 9 11 13 15 17 19  
The Sum of odd Natural Number upto 10 terms : 100

**Task# 7.**

Write a program in C to display the n terms of even natural number and their sum.

Expected Output:  
Input number of terms : 5  
  
The even numbers are :2 4 6 8 10  
The Sum of even Natural Number upto 5 terms : 30

**Task# 8.**

Write a program in C to display the n terms of square natural number and their sum.   
  
Expected Output:  
Input the number of terms : 5  
  
The square natural upto 5 terms are :1 4 9 16 25  
The Sum of Square Natural Number upto 5 terms = 55

**Task# 9.**

Write a program in C to display the first n terms of Fibonacci series.  
Fibonacci series 0 1 2 3 5 8 13 .....

Expected Output :  
Input number of terms to display : 10  
  
Here is the Fibonacci series upto to 10 terms :  
0 1 1 2 3 5 8 13 21 34