**1.**Write a program in C to find the square of any number using the function.    
Test Data :  
Input any number for square : 20  
*Expected Output* :

The square of 20 is : 400.00

**2.**Write a program in C to swap two numbers without using any third variable.    
Test Data :  
Input 1st number : 2  
Input 2nd number : 4  
*Expected Output* :

Before swapping: n1 = 2, n2 = 4

After swapping: n1 = 4, n2 = 2

**3.**Write a program in C to check a given number is even or odd using the function.    
Test Data :  
Input any number : 5  
*Expected Output* :

The entered number is odd.

**4.**Write a program in C to find the sum of the series 1!/1 + 2!/2 + 3!/3 + 4!/4 + 5!/5 using the function.    
*Expected Output* :

The sum of the series is : 34

**5.**Write a program in C to convert decimal number to binary number using the function.    
Test Data :  
Input any decimal number : 65  
*Expected Output* :

The Binary value is : 1000001

**6.**Write a program in C to check whether a number is a prime number or not using the function.    
Test Data :  
Input a positive number : 5  
*Expected Output* :

The number 5 is a prime number.

**7.**Write a program in C to get the largest element of an array using the function.   
Test Data :  
Input the number of elements to be stored in the array :5  
Input 5 elements in the array :  
element - 0 : 1  
element - 1 : 2  
element - 2 : 3  
element - 3 : 4  
element - 4 : 5  
*Expected Output* :

The largest element in the array is : 5

**8.**Write a program in C to check Armstrong and Perfect numbers using the function.    
Test Data :  
Input any number: 371  
*Expected Output* :

The 371 is an Armstrong number.

The 371 is not a Perfect number.