1. Write a program in C to show the simple structure of a function.

Expected Output:

2. 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

3. Write a program in C to swap two numbers using function.

Test Data :

Input 1st number : 2

Input 2nd number : 4

Expected Output :

Before swapping: n1 = 2, n2 = 4

After swapping: n1 = 4, n2 = 2

4. 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.

5. 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

6. 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

7. 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.

8. 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

9. 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.

10. Write a program in C to print all perfect numbers in given range using the function.

Test Data :

Input lowest search limit of perfect numbers : 1

Input lowest search limit of perfect numbers : 100

Expected Output :

The perfect numbers between 1 to 100 are :

6 28

11. Write a program in C to check whether two given strings are an anagram.

Test Data :

Input the first String : spare

Input the second String : pears

Expected Output :

spare and pears are Anagram.

12. Write a C programming to find out maximum and minimum of some values using function which will return an array.

Test Data :

Input 5 values

25

11

35

65

20

Expected Output :

Number of values you want to input: Input 5 values

Minimum value is: 11

Maximum value is: 65