

1. Write a program in C++ to print even or odd numbers in given range using recursion.

Test Data :

Input the range to print starting from 1 : 10

*Expected Output:*

All even numbers from 1 to 10 are : 2 4 6 8 10

All odd numbers from 1 to 10 are : 1 3 5 7 9

2. Write a program in C++ to count the digits of a given number using recursion.

Test Data :

Input a number : 50

*Expected Output:*

The number of digits in the number is : 2

3. Write a program in C++ to find the sum of digits of a number using recursion.

Test Data :

Input any number to find sum of digits: 25

*Expected Output:*

The Sum of digits of 25 = 7

4. Write a program in C++ to convert a decimal number to binary using recursion.

Test Data :

Input any decimal number : 66

*Expected Output:*

The Binary value of decimal no. 66 is : 1000010

5. Write a program in C++ to check a number is a prime number or not using recursion.

Test Data :

Input any positive number : 7

*Expected Output:*

The number 7 is a prime number.