

1. Write a program in C to print first n numbers using recursion.
2. Write a program in C to calculate the sum of numbers from 1 to n using recursion.
3. Write a program to find the factorial of a number.
4. Write a program in C to Print Fibonacci Series using recursion.
5. Write a program in C to sum the digits of a given number using recursion.
6. Write a program in C to find GCD of two numbers using recursion
7. Write a program to convert decimal to binary using recursion
8. Write a program to reverse a number using recursion
9. Write a program in C to check a number is a prime number or not using recursion.
10. Write a program in C to find the LCM of two numbers using recursion.
11. Write a program in C to calculate the power of any number using recursion.
12. Enter a number and find its hailstone sequence using recursion. Hailstone sequence is attained by rule the If the current number is even, divide it by two; else if it is odd, multiply it by three and add one. Repeat process until you reach 1.

Examples

n=3; 10, 5, 16, 8, 4, 2, 1, 4, 2, 1, ...

n=4; 2, 1, 4, 2, 1, ...

n=5; 16, 8, 4, 2, 1, 4, 2, 1, ...

n=6; 3, 10, 5, 16, 8, 4, 2, 1, 4, 2, 1, ...

n=7; 22, 11, 34, 17, 52, 26, 13, 40, 20, 10, 5, 16, 8, 4, 2, 1, 4, 2, 1