

Assignment: Recursion -1

1. Print an increasing-decreasing sequence using recursion Example:

If n = 5, the output should be:

123454321

- 2. Write a program to print the sum of all odd numbers from a to b (inclusive) using recursion.
- 3. Given a positive integer, return true if it is a power of 2 using recursion.
- 4. There are n stairs, and a person standing at the bottom wants to climb the stairs to reach the nth stair. The person can climb either 1, 2, or 3 stairs at a time. Write a program to count the number of ways the person can reach the top using recursion.