import java.util.Scanner;

public class DisplayNumber{

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter max numbers to display: ");

        int maxNumber = scanner.nextInt();

        display\_num(maxNumber);

        scanner.close();

    }

    public static void display\_num(int n) {

        if (n > 0) {

            display\_num(n - 1); // Recursively call the function with n-1

            System.out.print(n + " ");

        }

    }

}