

# VIJAYKUMAR\_DAY15

```
import java.util.*;

public class Main {

    public static int factorial(int num) {
        if (num == 0 || num == 1) {
            return 1;
        }
        int fact = 1;
        for (int i = 2; i <= num; i++) {
            fact *= i;
        }
        return fact;
    }

    public static boolean isStrongNumber(int n) {
        int sum = 0;
        int originalValue = n; // Store the original value of n
        while (n != 0) {
            int digit = n % 10; // Extract the last digit
            sum += factorial(digit); // Add the factorial of the digit to the sum
            n /= 10; // Remove the last digit
        }

        return sum == originalValue; // Check if the sum of factorials is equal to the original value
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter number:");
```

```
int n = sc.nextInt();

if (isStrongNumber(n)) {
    System.out.println(n + " is a strong number.");
} else {
    System.out.println(n + " is not a strong number.");
}
}
```