

Day 15 coding Statement : Write a program to identify if the number is Strong number or not

Description : Get a number as input from user and then check whether that number is a strong number or not. A number is said to be strong number if the sum of the factorial of each digit in the number is same as that of the number.

Input : 121

Output : Not a strong number

Input : 145

Output : Strong number.

```
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class Strong_number {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter a Number : ");
        int N = scan.nextInt();
        int fact2 = 0;
        int temp_N = N;

        while(N != 0) {

            int fact1 = 1;
            int rem = N % 10;
            for(int i = 1; i <= rem; i++) {
                fact1 = fact1 * i;
            }
            fact2 = fact2 + fact1;
            N = N / 10;
        }

        if(fact2 == temp_N) {
            System.out.println("Strong Number ");
        }
        else {
            System.out.println("Not a Strong Number");
        }
    }
}
```

