Day 10 coding Statement: Write a program to find Factorial of a number

Description : Get a number from user for which you need to fin the factorial, then calculate the factorial and give it as the output.

Input : 4

Output : 24

Program :

```java
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class factorial {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter a Number to find the factorial");
        int num = scan.nextInt();
        int fact=1;

        for(int i=1;i<=num;i++) {

            fact=fact*i;

        }
        System.out.print("The factorial of "+ num +" is " + fact);
    }

}
```

Java Programs - Sudeep/src/com/talentbattle/codingchallenge/factorial.java - Eclipse IDE

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Project Explorer

- Sudeep
  - JRE System Library [jdk-19]
  - src
    - (default package)
    - com.kodnest.programs
    - com.talentbattle.codingchallenge
      - alphabet_or_not.java
      - ascii_output.java
      - day1_vowel_consonant.java
      - days_in_a_month.java
      - factorial.java
      - Number_of_digits.java
      - odd_or_even.java
      - package-info.java
      - positive_or_negative.java
      - practice_statement.java
      - quadrant.java
      - Qudratic_equation.java
      - roots.java

Qudratic_equ...   roots.java   Number_of_di...   factorial.java ✕

```java
1  package com.talentbattle.codingchallenge;
2
3  import java.util.Scanner;
4
5  public class factorial {
6
7      public static void main(String[] args) {
8          // TODO Auto-generated method stub
9          Scanner scan = new Scanner(System.in);
10         System.out.println("Enter a Number to find the factorial");
11         int num = scan.nextInt();
12         int fact=1;
13
14         for(int i=1;i<=num;i++) {
15
16             fact=fact*i;
17
18         }
19         System.out.print("The factorial of "+ num +" is " + fact);
20     }
21
22 }
23
```

Console ✕

<terminated> factorial [Java Application] C:\Program Files\Java\jdk-
Enter a Number to find the factorial
4
The factorial of 4 is 24

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