

REFRACTOR

Code:

```
2  package com.mycompany.refractor;
3
4  import java.util.*;
5  public class Refractor {
6
7      public static void main(String[] args) {
8          Scanner sc=new Scanner(System.in);
9          System.out.println("Enter a number: ");
10         int n=sc.nextInt();
11         int f=method(n);
12         System.out.println("factorial is: "+f);
13     }
14
15     public static int method(int n) {
16         int f=1;
17         for(int i=1; i<=n; i++){
18             f=f*i;
19         }
20         return f;
21     }
22 }
```

Output:

```
Enter a number:
10
factorial is: 3628800
```