

FACTORIAL

Code:

```
2  package com.mycompany.exceptionfactorial;
3
4  import java.util.*;
5  public class ExceptionFactorial {
6
7      public static void main(String[] args) {
8          while(true){
9              try{
10                 Scanner sc=new Scanner(System.in);
11                 System.out.println("Enter integer to find factorial: ");
12                 int a=sc.nextInt();
13                 System.out.println("Factorial is: "+ factorial(a)); break;
14             }
15             catch(Exception e){
16                 System.out.println("You have entered an invalid input. ");
17                 System.out.println("Try again....");
18             }
19         }
20     }
21     static int factorial(int n){
22         int fact=1;
23         for(int i=1; i<=n; i++)
24             fact=fact*i;
25         return fact;
26     }
27 }
```

Output:

```
Enter integer to find factorial:
6
Factorial is: 720
```