

```
1 import java.util.Scanner;
2
3 public class FactorialCalculator {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.print("Enter a number: ");
7         int n = sc.nextInt();
8         sc.close();
9
10        System.out.println(n < 0 ? "Factorial is not
    defined for negative numbers." : "Factorial of " + n
    + " is: " + factorial(n));
11    }
12
13    public static long factorial(int n) {
14        long fact = 1;
15        for (int i = 2; i <= n; i++) fact *= i;
16        return fact;
17    }
18 }
19
```