

RECURSION FACTORIAL

Code:

```
2 package com.mycompany.recursionfactorial;
3
4 import java.util.*;
5 public class RecursionFactorial {
6
7     public static void main(String[] args) {
8         Scanner input = new Scanner(System.in);
9         System.out.print("Enter a positive integer: ");
10        int n = input.nextInt();
11        System.out.println("Factorial of " + n + " is " + factorial(n));
12    }
13    public static long factorial(int n){
14        if(n==0){
15            return 1;
16        }else{
17            return n*factorial(n-1);
18        }
19    }
20 }
```

Output:

```
Enter a positive integer: 8
Factorial of 8 is 40320
```