

8.1 Compute factorial 04/16 9:33AM

import java.util.Scanner

```
public class ComputeFactorial {  
    /* * Main Method */  
    public static void main(String[] args) {  
        // Create Scanner  
        Scanner input = new Scanner(System.in);  
        System.out.print("Enter a non-negative  
                        integer: ");  
        int n = input.nextInt();  
  
        // Display factorial  
        System.out.println("Factorial of " + n + " is"  
                           + factorial(n));  
    }  
}
```

/* * Return the factorial for a specified
number */

```
public static long factorial(int n) {  
    if (n == 0) // Base Case  
        return 1;
```

else
 return n * factorial(n - 1);

}

}