

```
import java.util.Scanner;

public class CWS_factorial_function {

    public static int factorial(int num) {
        if (num >= 1)
            return num * factorial(num - 1);
        else
            return 1;
    }

    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter Your Value: ");
        int num = sc.nextInt();
        int factorial = factorial(num);
        System.out.println("factorial of " + num + " = " + factorial);
        factorial(num);
        sc.close();
    }
}
```