

Day 1: Functions



Objective

Today, we're discussing JavaScript *functions*. Check out the attached tutorial for more details.

Task

Implement a function named *factorial* that has one parameter: an integer, n . It must return the value of $n!$ (i.e., n factorial).

Input Format

Locked stub code in the editor reads a single integer, n , from stdin and passes it to a function named *factorial*.

Constraints

- $1 \leq n \leq 10$

Output Format

The function must return the value of $n!$.

Sample Input 0

4

Sample Output 0

24

Explanation 0

We return the value of $4! = 4 \times 3 \times 2 \times 1 = 24$.

```
1  + 'use strict';...
24 /*
25  * Create the function factorial here
26  */
27
28 function factorial(n) {
29     let a = n
30     n=n-1
31     if (n > 1 && n < 10) {
32         while (n !== 0) {
33
34             a = a * n
35             n = n - 1
36         }
37     }
38     return a;
39
40 }
41 + ...
```

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