

## 03. Factorial Calculation

### Condition:

Write a program that takes an integer and returns its factorial ( $n!$ ).

### Input:

- One whole number.

### Output:

- An integer representing the factorial of the input number.

### Limitations:

The number is positive and no greater than 12 (to avoid excessively large values).

### Examples:

| Input | Output |
|-------|--------|
| 5     | 120    |
| 3     | 6      |
| 1     | 1      |
| 0     | 0      |