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## Iterative factorial

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Write an iterative function that, given a natural  $n$ , returns its factorial  $n!$ .

### Interface

C++	<code>int factorial (int n);</code>
C	<code>int factorial (int n);</code>
Java	<code>public static int factorial (int n);</code>
Python	<code>factorial (n) # returns int</code> <code>factorial (n: int) -&gt; int</code>

### Precondition

Assume  $0 \leq n \leq 12$ .

### Observation

You only need to submit the required procedure; your main program will be ignored.

### Problem information

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