
Iterative factorial

P57474_en

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

Interface

C++	int <i>factorial</i> (int <i>n</i>);
C	int <i>factorial</i> (int <i>n</i>);
Java	public static int <i>factorial</i> (int <i>n</i>);
Python	<i>factorial</i> (<i>n</i>) # returns int
	<i>factorial</i> (<i>n</i> : int) → int

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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