

Task(9.2)

Problem Statement:

Create a C++ program that implements a function to calculate the factorial of a given number using recursion.

In mathematics, the factorial of a non-negative integer n, denoted by n!, is the product of all positive integers less than or equal to n.

The factorial of n also equals the product of n with the next smaller factorial: $n!=n\times(n-1)\times(n-2)\times(n-3)\times...\times3\times2\times1=n\times(n-1)!$

For example:

5!=5×4!=5×4×3×2×1=120.

Thank You