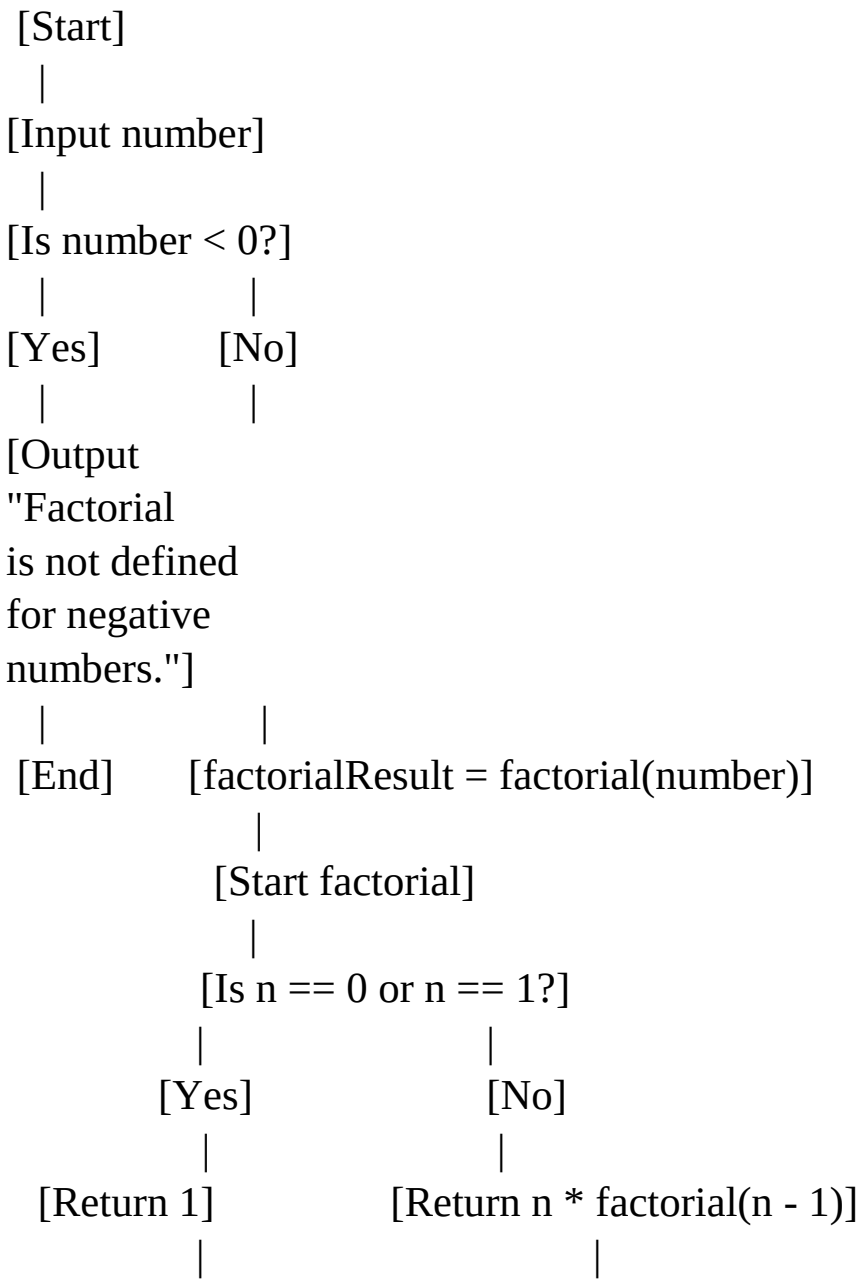
❖Factorial:

Explanation: -

The factorial of a non-negative integer n is the product of all positive integers from 1 to n and is denoted as n! It is defined as n! = n times n-1 times n-2 times for n > 0, with the special case 0! = 1. Factorials are commonly used in permutations, combinations, and various areas of mathematics, including calculus and algebra.

Time Complexity: - O(n)

Space Complexity: - O(n)



[End] [End]

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[Output "The factorial of "
+ number + " is: " + factorialResult]

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[End]