Problem 14: Calculate Factorial

Objective: The goal of this problem is to write a Python function that calculates the factorial of a given number n. You will also write a script to read the input from the console and print the output.

Task: Write a Python function that takes one parameter n (int) and returns the factorial of n. Write a script to read the input from the console and print the output.

Input Format:

- n (int): The number to calculate the factorial of.

Output Format:

- The factorial of n.

Sample Input:

5

Sample Output:

120