

Course
&
Test Series

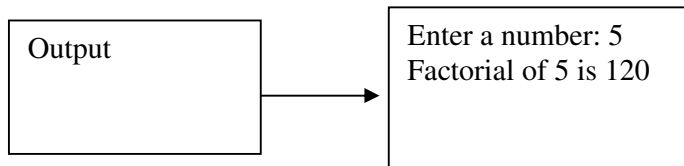
Self-Made Assignment - Python

Recursion in Python

Ques 1:-Write a Python program to find the factorial of a number using recursion.

Instructions

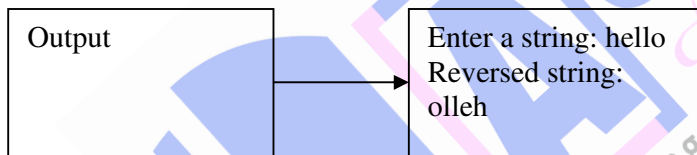
1. Define a function factorial(n) that takes one integer argument.
2. Use recursion to calculate the factorial (i.e., $n! = n \times (n-1) \times (n-2) \times \dots \times 1$).
3. The base case should return 1 when n is 0 or 1.
4. Ask the user for input and display the factorial result.



Ques 2:- Write a Python program to reverse a string using recursion.

Instructions

1. Define a function reverse_string(s) that takes a string as input.
2. Base case: If the string length is 0, return the string.
3. Recursive case: Return reverse_string(s[1:]) + s[0].
4. Take input from the user and display the reversed string.



...many more

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