

Course
&
Test Series

Self-Made Assignment - Python

Recursion in Python

 CBSE

 ICSE

 NTSE

 Banking & Insurance

 Central Govt. Service

 State Govt. Services

 LAW Entrance

 MBA Entrance

 Railways & Metro Services

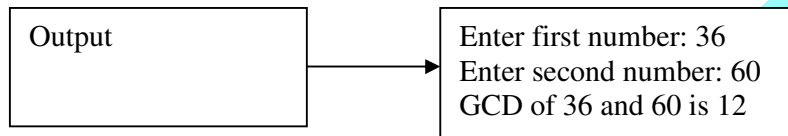
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Ques 1:-Write a Python program to find the GCD (Greatest Common Divisor) of two numbers using recursion.

Instructions

1. Define a function gcd(a, b) that returns the GCD.
2. Base case: If $b == 0$, return a.
3. Recursive case: Return gcd(b, $a \% b$).
4. Take two numbers from the user and display the result.



Ques 2:- Write a Python program to find the sum of digits of a number using recursion.

Instructions

1. Define a function sum_of_digits(n).
2. Base case: If $n == 0$, return 0.
3. Recursive case: Return $(n \% 10) + \text{sum_of_digits}(n // 10)$.
4. Take an integer input and display the sum of its digits.

