

C Programming - 7 For Loop Practice Questions

1. Find the Largest Digit in a Number

Input a number and find its largest digit. Hint: Extract digits using % 10 and keep track of the maximum digit.

2. Count Even and Odd Digits

Count how many even and odd digits are present in a number. Hint: Check digit % 2 for each digit.

3. Check if a Number is Armstrong (3-digit)

Check whether a 3-digit number is an Armstrong number. Hint: Add the cube of each digit and compare with the original number.

4. Find the Product of Digits

Find the product of all digits of a number. Hint: Initialize product as 1 and multiply each extracted digit.

5. Check if a Number is Palindrome

Determine whether a number reads the same forward and backward. Hint: Reverse the number and compare it with the original.

6. Find the First Digit of a Number

Input a number and find its first digit. Hint: Keep dividing by 10 until only one digit remains.

7. Calculate Series Sum

Find the sum $1 + 2 + 3 + \dots + n$. Hint: Use a loop from 1 to n and keep adding to a sum variable.