

GE23131-Programming Using C-2024

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Started	Monday, 13 January 2025, 7:37 PM
Completed	Monday, 13 January 2025, 8:09 PM
Duration	31 mins 47 secs

Question 1

Correct

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The k-digit number N is an Armstrong number if and only if the k-th power of each digit sums to N.

Given a positive integer N, return true if and only if it is an Armstrong number.

Example 1:

Input:

153

Output:

true

Explanation:

153 is a 3-digit number, and $1^3 + 5^3 + 3^3$.

Example 2:

Input:

123

Output:

false