

# GE23131-Programming Using C-2024

## Quiz navigation

[Show one page at a time](#)[Finish review](#)

<b>Status</b>	Finished
<b>Started</b>	Monday, 23 December 2024, 5:33 PM
<b>Completed</b>	Thursday, 28 November 2024, 11:35 AM
<b>Duration</b>	25 days 5 hours

### Question 1

Correct

Marked out of 3.00

☐ Flag question

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  $153 = 1^3 + 5^3 + 3^3$ .

Example 2:

Input:

123

Output:

false

Explanation:

123 is a 3-digit number, and  $123 \neq 1^3 + 2^3 + 3^3 = 36$ .

Example 3:

Input:

1634

Output:

true

REC-CIS

 $1 \leq N \leq 10^8$ **Answer:** (penalty regime: 0 %)

	Input	Expected	Got	
	153	true	true	
	123	false	false	

Passed all tests!

Question **2**

Correct

Marked out of  
5.00☐ Flag  
question

Take a number, reverse it and add it to the original number until the obtained number is a palindrom  
Constraints  $1 \leq \text{num} \leq 99999999$  Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sampl  
66066

**Answer:** (penalty regime: 0 %)

	Input	Expected	Got	
	32	55	55	
	789	66066	66066	

Passed all tests!

Question **3**

Correct

A number is considered lucky if it contains either 3 or 4 or 3 and 4 both in it. Write a program to prir  
lucky number. Example, 1st lucky number is 3, and 2nd lucky number is 4 and 3rd lucky number is 33  
lucky number is 34 and so on. Note that 13, 40 etc., are not lucky as they have other numbers in it.

REC-CIS

 Flag  
question

Sample Input 1:

3

Sample Output 1:

33

Explanation:

Here the lucky numbers are 3, 4, 33, 34., and the 3rd lucky number is 33.

Sample Input 2:

34

Sample Output 2:

33344

**Answer:** (penalty regime: 0 %)

	Input	Expected	Got	
	34	33344	33344	

Passed all tests!

Save the state of the flags