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:

GE23131-Programming Using C-2024

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Question 1

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153

Output:

Explanation:

1 <= N <= 10^8

3

4

5

6

7

9

10

8 *

Answer: (penalty regime: 0 %)

int main(){

#include<stdio.h>

if(a<0)

a=-a;

c=a;

int a,b=0,c,e=0;

scanf("%d",&a);

while(c!=0){

e++;

c/=10;

Explanation:

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

Example 2:

Input:

123

Output:

false

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

Example 3:

Input:

1634

Output:

true

Note:

11 } 12 c=a; while(c!=0){ 13 🔻 int d=c%10; 14 15 int f=1; for(int i=0;i<e;i++){</pre> 16 ▼ f*=d; 17 18 b+=f;19 c/=10;20 21 **if**(a==b){ 22 ▼ 23 printf("true"); 24 else 25 printf("false"); 26 27 28 29 **Expected** Input 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 palindrome. Constraints 1<=num<=99999999

Sample Input 1 32 Sample Output 1 55 Sample

int rn,n,nt=0,i=0;

nt=n;rn=0;

scanf("%d",&n);

Input 2 789 Sample Output 2 66066

#include<stdio.h>

Answer: (penalty regime: 0 %)

int main(){

do{

1

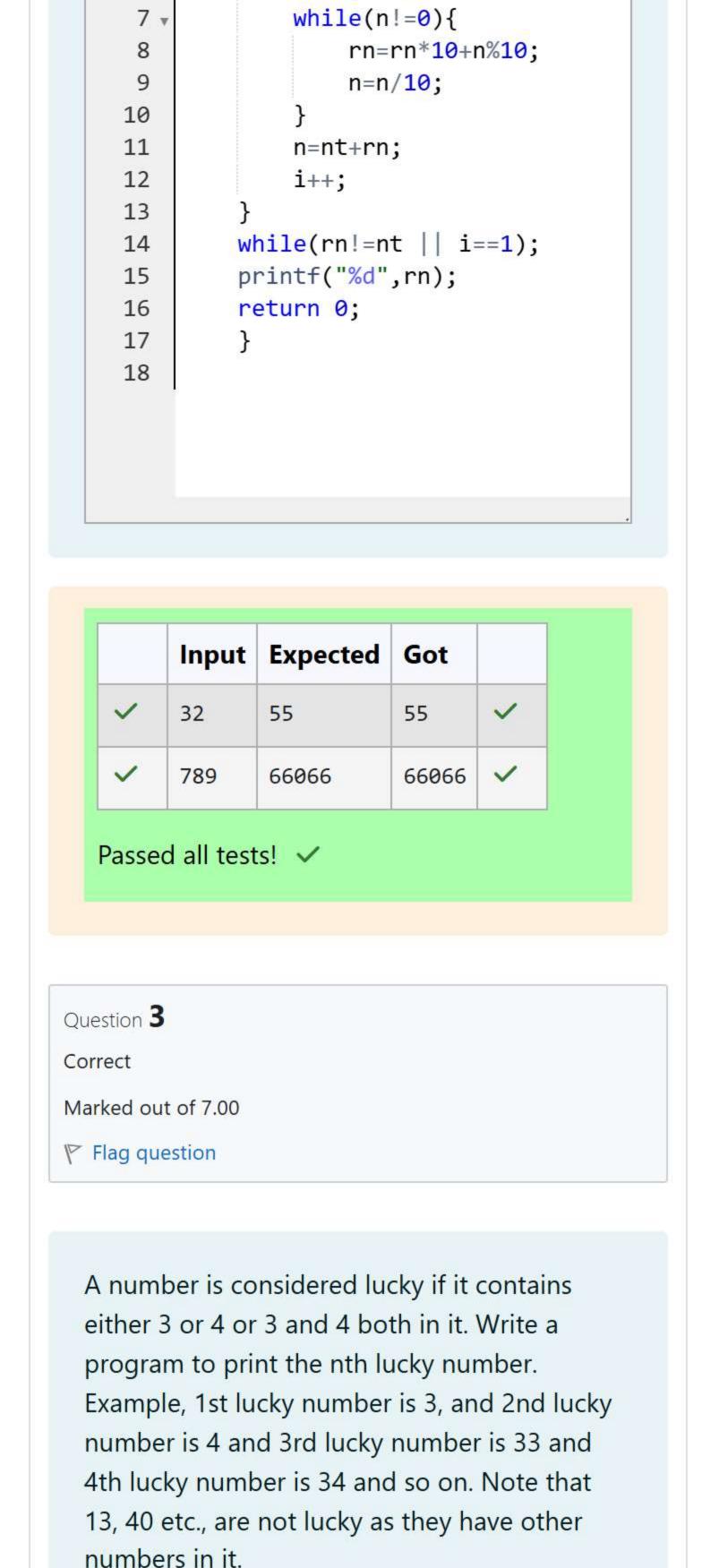
3

4

6

5 ₹

2 ₹



The program should accept a number 'n' as input and display the nth lucky number as output. 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 %) #include<stdio.h> 1 2 v int con(int a){ int c=a; 3 4 ₹ while(c!=0){ 5 int d=c%10; if(d!=3 && d!=4) return (6 7 c/=10;8

9 return 1; } 10 11 ▼ int main(){ 12 int a,b=0; scanf("%d",&a); 13 while(a!=0){ 14 ▼ 15 b++; if(con(b)){ 16 v 17 a--; 18 19 printf("%d",b); 20 21 Input Expected Got 33344 34 33344 Passed all tests! < Finish review

Quiz navigation

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Finish review

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