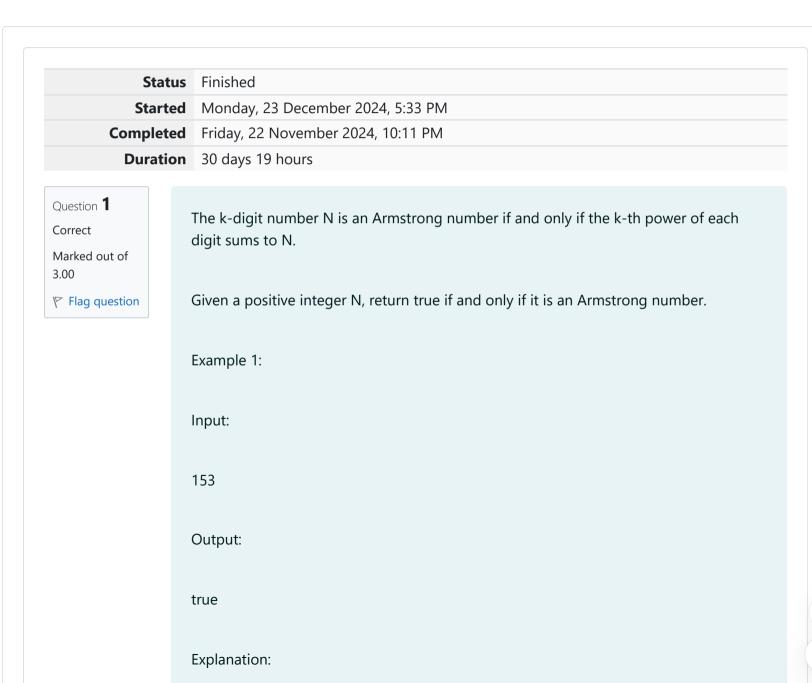
REC-CIS

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GE23131-Programming Using C-2024





 \Box

Example 2:	
Input:	
123	
Output:	
false	
Explanation:	
123 is a 3-digit number, and 123 != 1^3 + 2^3 + 3^3 = 36.	
Example 3:	
Input:	
1634	
Output:	
true	

48

```
1 <= N <= 10^8
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
      #include<math.h>
   2
      int main()
   4 √ {int n;
      scanf("%d",&n);
      int x=0, n2=n;
      while (n2!=0)
   8 * {x++;
      n2=n2/10;
  10
  11 int sum=0;
  12 int n3=n,n4;
  13 while(n3!=0)
  14 ▼ {n4=n3%10;
      sum=sum+pow(n4,x);
  15
      n3=n3/10;}
  16
  17
  18
      if(n==sum)
      {printf("true");}
  19
      else
  20
  21
      printf("false");
  22
      return 0;
  23
  24
```

	Input	Expected	Got	
~	153	true	true	~

Passed all tests! <

Question **2**

Correct

Marked out of 5.00

Flag question

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    int main()
 2
 3 * {int rn,n,nt=0,i=0;
    scanf("%d",&n);
 5 * do{nt=n;rn=0;
    while(n!=0)
 7 ▼ {rn=rn*10+n%10;
 8
    n=n/10;
 9
10
    n=nt+rn;
    i++;
11
12
    while(rn!=nt||i==1);
13
    printf("%d",rn);
14
15
    return 0;
16
```

Input Expected Got

Ouestion **3**

Marked out of

Flag question

Correct

7.00

ססשסס ססשסס Passed all tests! < A number is considered lucky if it contains either 3 or 4 or 3 and 4 both in it. Write a program to print the nth lucky number. Example, 1st lucky number is 3, and 2nd lucky number is 4 and 3rd lucky number is 33 and 4th lucky number is 34 and so on. Note that 13, 40 etc., are not lucky as they have other numbers in it. 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:

Sample Output 2:

33344

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
 2 int main()
 3 * {int n=1,i=0,nt,co=0,e;
 4 scanf("%d",&e);
 5 while(i<e)</pre>
 6 ▼ {nt=n;
 7 while(nt!=0)
 8 ▼ {co=0;
 9 if(nt%10!=3&&nt%10!=4)
10 ▼ {co=1;
   break;
11
12
13
    nt=nt/10;
14
15 if(co==0)
16 ▼ {i++;
17
18 n++;}
19 printf("%d",--n);
20
   return 0;
21 }
```



