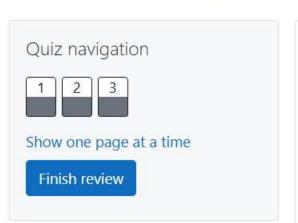
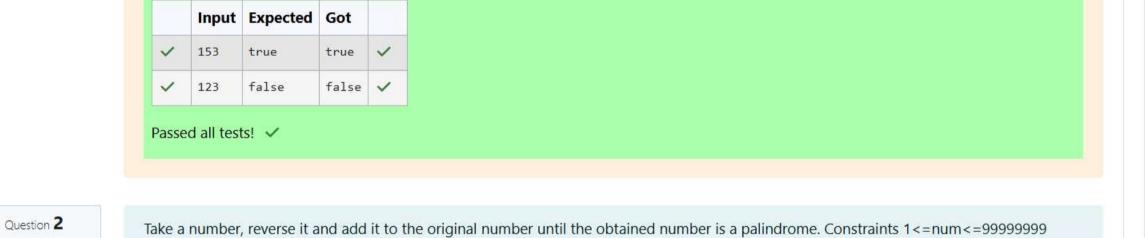
REC-CIS

GE23131-Programming Using C-2024







Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Marked out of 5.00

Flag question

Correct

```
Answer: (penalty regime: 0 %)
     #include<stdio.h>
       long long reverse (long long num)
   2
   3 ,
       long long reversed = 0;
   5
       while (num != 0)
   6 +
   7
       reversed = reversed * 10 + num % 10;
   8
       num /= 10;
   9
  10
       return reversed;
  11
  12
       int isPalindrome ( long long num)
  13
  14 *
  15
       return num == reverse(num);
  16
  17
       int main()
  18
      long long num, reversed, sum;
  19
       scanf("%11d", &num);
  20
      if (num < 1 || num > 999999999)
  21
  22 * {
       printf("no. out range");
  23
       return 1;
  24
  25
       while (1)
  26
  27 *
      reversed = reverse(num);
  29
       sum = num + reversed;
  30
  31
       if (isPalindrome(sum))
  32 -
       printf("%lld\n",sum);
  33
  34
       break;
  35
  36
      num = sum;
  37
  38
       return 0;
  39 }
```

```
Input Expected Got

32 55 55 V

789 66066 66066 V

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
```

Marked out of 7.00

F Flag question

Question 3

Correct

The program should accept a number 'n' as input and display the nth lucky number as output.

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

3

lucky as they have other numbers in it.

33

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

Explanation:

Sample Input 1:

Sample Output 1:

Sample Input 2:

Sample Output 2:

33344

34

```
Answer: (penalty regime: 0 %)
     #include<stdio.h>
      #include<stdbool.h>
   2
      bool isLucky(int n) {
   4 v
          while (n > 0) {
              int digit = n % 10;
   6
              if (digit != 3 && digit != 4) {
   7 *
   8
                  return false;
   9
  10
              n /= 10;
  11
  12
          return true;
  13 }
  14 v int findNthLucky(int n) {
          int count = 0, num = 1;
  15
  16
          while (count < n) {
              if (isLucky(num)) {
  17
                  count ++;
  18
  19
  20
              num++;
  21
          return num - 1;
  22
  23
  24
  25
       int main()
  26 🔻
  27
          int n;
  28
          scanf("%d",&n);
  29
          printf("%d",findNthLucky(n));
  30
          return 0;
  31 }
```

```
Input Expected Got

34 33344 33344 

Passed all tests! 

Finish review
```