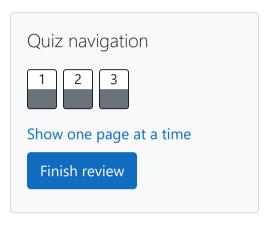
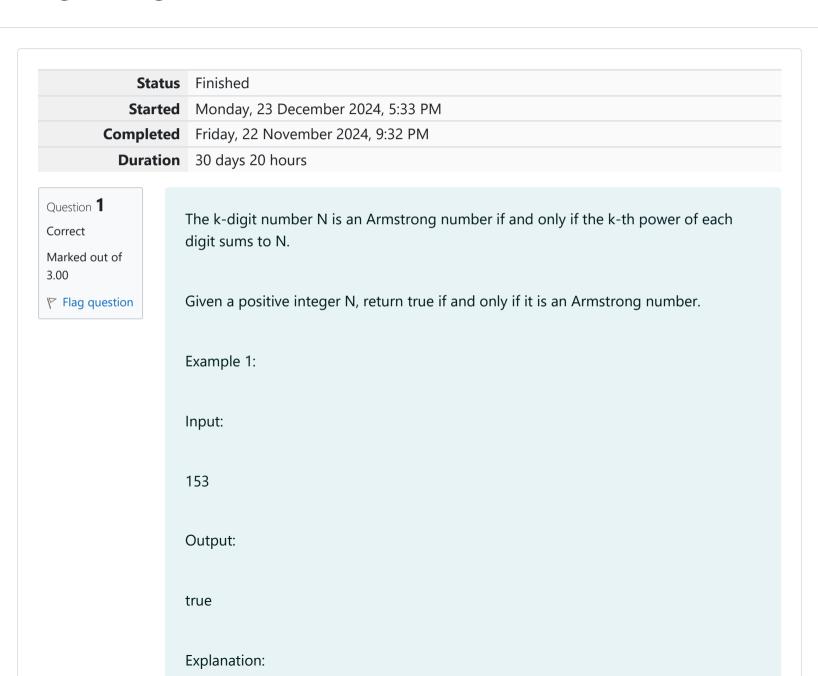
GE23131-Programming Using C-2024





	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	

```
1 <= N <= 10^8
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
      #include<math.h>
   2
   3 v int main() {
           int n, a, p = 0, t, sum = 0, x;
           scanf("%d",&n);
    5
          t = n;
           a = n;
           while( t !=0 ) {
   8 *
   9
              t = t / 10;
  10
               p ++ ;
  11
  12 🔻
           while ( n != 0 ){
               x = n\%10;
  13
  14
               sum = sum + pow(x,p);
  15
               n = n / 10;
  16
           if(sum == a){}
  17 🔻
               printf("true");
  18
  19 🔻
           }else {
               printf("false");
   20
   21
   22
           return 0;
  23 }
```

	Input	Expected	Got	
~	153	true	true	~
~	123	false	false	~



Ouestion **2**

Correct

Marked out of 5.00

▼ Flag question

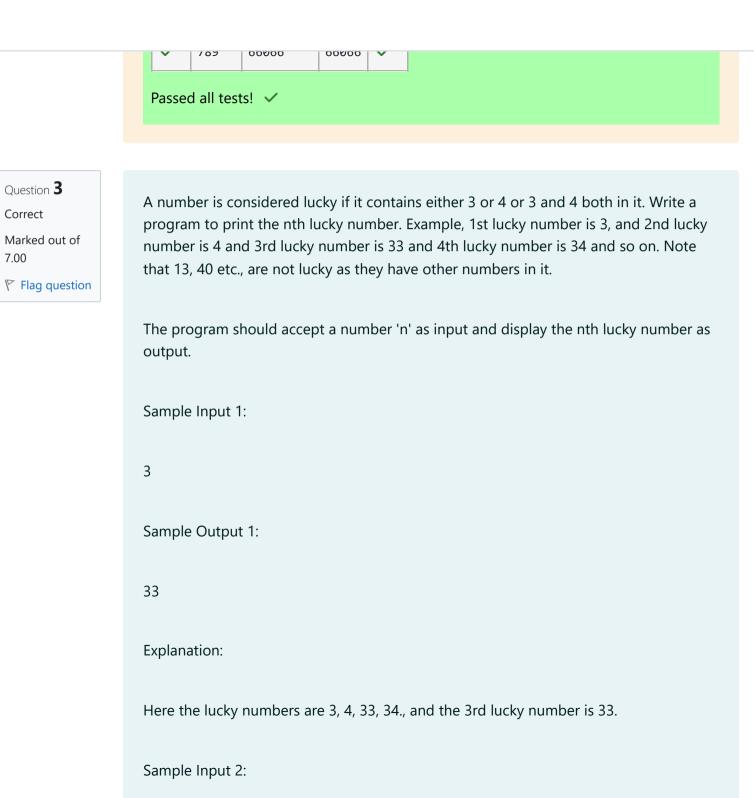
Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints 1<=num<=99999999 Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
2 v int main() {
 3
        long long int n, s, r, t, ts;
        scanf("%11d", &n );
 4
        while(1){
 5 ,
            r = 0;
 6
 7
            t = n;
8 ,
            while(n) {
                r = r*10+(n%10);
 9
10
                n = n / 10;
11
            s = t + r;
12
13
            ts = s;
            r = 0;
14
15
            while (s) {
                r = r*10+(s%10);
16
17
                s = s/10;
18
            if (ts == r){
19 1
20
                break;
21
            n = ts;
22
23
        printf("%lld",ts);
24
25
        return 0;
26
                                                                         11
```

Correct

7.00

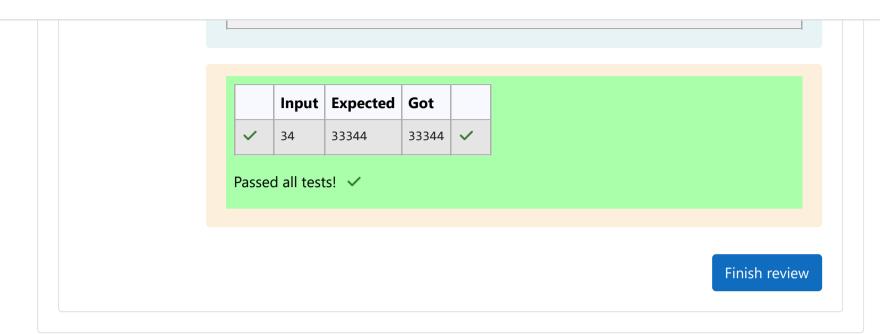


Sample Output 2:

33344

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 v int main(){
        long int i, j;
 3
        int r, n, c = 0,f;
        scanf("%d",&n);
        for (i=1; c<=n ; i++){</pre>
            f = 0;
 7
            j = i;
            while(j>0){
 9 ,
10
                r = j\%10;
                if(r==3||r==4){
11 🔻
12
                     j = j/10;
13 🔻
                }else {
                    f = 1;
14
15
                     break;
16
17
18 🔻
            if(f==0){
19
                c ++;
20 🔻
                if(c == n){
                     break;
21
22
23
24
```



11