Question 1 Correct	The k-digit number N is an Armstrong number if and only if the k-th power of each digit sums to N.	
Marked out of 3,00	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:	

```
Note:
1 <= N <= 10^8
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2 #includecmath.h>
   3 - int main(){
   4 int n;
   5 | scanf("%d",&n);
   6 int x = 0,n2=n;
      while(n2 > 0)
   8 - {
   9
          XII;
  10
          n2/=10;
  11
  12 int sum =0;
     int n3 = n,n4;
  14 - while(n3 > 0){
 15
         n4 = n3\%10;
         sum = sum+pow(n4,x);
 16
 17
         n3/=10;
 18
 19 - if(n==sum){
         printf("true");
 20
 21
 22
     else
     printf("false");
 23
     return 0;
 24
 25
 26
```

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

Passed all tests! <

```
Question 2
Carrect
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5.00
F 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 %)

```
1 |#include<stdio.h>
2 + int main(){
        int rn,n,nt=0,i=0;
        scanf("%d",&n);
5 .
        do[
            nt=n:rn=0:
            while(n|=0){
                rn-rn*10 + n%10:
                n=n/10;
10
11
            n=nt+rn;
12
            i++;
13
14
        while(rn|=nt || i==1);
15
        printf("%d",rn);
16
        return 0;
17
```

	Input	Expected	Got	
~	32	55	55	~
~	789	66966	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 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	
Marked out of 7.00	lucky as they have other numbers in it.	
Y Flag question		
	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 Input 2.	
	34	
	Sample Output 2:	

```
Answer: (penalty regime: 0 %)
   1 #include(stdio.h>
   2 * int main(){
          int n=1,i=0,nt,co=0,e;
          scanf("%d",&e);
   4
   5 +
          while(i<e){
              nt=n;
   6
              while(nt!=0)
   7
   8 +
   9
                  co=0;
                  if(nt%10!=3 && nt%10!=4)
  10
  11 -
  12
                      co=1;
  13
                      break;
  14
  15
                  nt/=10;
  16
  17 -
              if(co==0){
                  i++;
  18
  19
  20
              n++;
  21
          printf("%d", --n);
  22
  23
          return 0;
  24 }
```

	Input	Expected	Got	
~	34	33344	33344	~

Passed all tests! <