65 : 22 : 35   Finish test

Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test) | Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

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C (gcc 4.8.3) ▼   ⟳ ◐ ▶ **Compile & Run**   O/P »

Break the number

Given an array of numbers, you need to separate all the digits in each number and then print the result

Input Format

The first line will take an input integer n

Second line will have elements of the array separated by space.

Output Format

Print all the numbers after separating the digits

Sample Input:

4

13 25 83 77

```c
1   #include<stdio.h>
2
3   /* approach is simple :-
4
5       take first element as input lets say n = 194, now store this in tempArr co
            left of an int
6       so tempArr = {1, 9, 4} also count the digits count in this number 'n' now
            start printing in reverse till index 0, i.e output : 4 9 1
7
8   */
9   int main(){
10      int n;
11      scanf("%d",&n);
12      int i;
13      for(i=0; i < n; i++){
14          int number;
15          scanf("%d",&number);
16          // breaking the number by fetching digits from end of it and storing t
17          int tempArr[10] = {-1}; // -1 at all values
18          int index = 0;
19          int digitsCount = 0;
20          while(number != 0){
21              tempArr[index++] = number % 10;
22              number /= 10;
23              digitsCount++;
24          }
25
26          // now print this tempArr in reverse from index = digitsCount-1 to 0
27          for(index = digitsCount-1; index >= 0; index--)
28              printf("%d ",tempArr[index]);
29      }
30
31   }
```

x

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