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Monk and Welcome Problem

⚑ SOLVE LATER

Attempted by: **52897** / Accuracy: **83%** / Maximum Score: **10** /
★★★★☆ 1888 Votes

Tag(s): Data Structures, One-dimensional, Very-Easy

BEST SUBMISSIONS

LANGUAGE: | C (gcc 5.4.0) |

PROBLEM   EDITORIAL   MY SUBMISSIONS   ANALYTICS

🕐 TIME (sec)   MEMORY (KiB)

1.005   64

by Hari Krishnan

VIEW BEST SUBMISSION   VIEW ALL SUBMISSION

Having a good previous year, Monk is back to teach algorithms and data structures. This year he welcomes the learners with a problem which he calls "Welcome Problem". The problem gives you two arrays A and B (each array of size N) and asks to print new array C such that:

$$C[i] = A[i] + B[i] \; ; 1 \le i \le N$$

Now, Monk will proceed further when you solve this one. So, go on and solve it :)

Input:
First line consists of an integer N, denoting the size of A and B.
Next line consists of N space separated integers denoting the array A.
Next line consists of N space separated integers denoting the array B.

Output:
Print N space separated integers denoting the array C.

Input Constraints:
$1 \le N \le 100000$
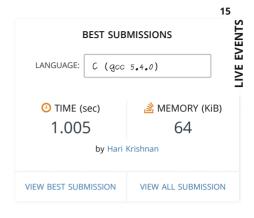$1 \le A[i] \le 100000; 1 \le i \le N$
$1 \le B[i] \le 100000; 1 \le i \le N$

CONTRIBUTOR

AUTHOR
Shubham Gupta

TESTER
Prateek Garg

THIS PROBLEM WAS ASKED IN

h   CHALLENGE NAME
CodeMonk (Arrays & Strings)   ⌄

SOCIAL SHARE

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SAMPLE INPUT 🔗 ⧉	SAMPLE OUTPUT 🔗 ⧉
5 1 2 3 4 5 4 5 3 2 10	5 7 6 6 15

Explanation

The output array is the addition of input arrays A and B.

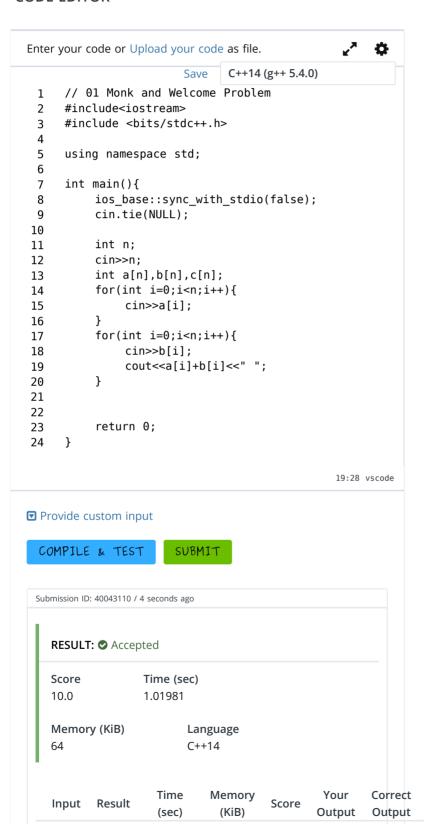|	
Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua,

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Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python,

Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift,

Swift-4.1, TypeScript, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file.

Save   C++14 (g++ 5.4.0)

```cpp
1   // 01 Monk and Welcome Problem
2   #include<iostream>
3   #include <bits/stdc++.h>
4
5   using namespace std;
6
7   int main(){
8       ios_base::sync_with_stdio(false);
9       cin.tie(NULL);
10
11      int n;
12      cin>>n;
13      int a[n],b[n],c[n];
14      for(int i=0;i<n;i++){
15          cin>>a[i];
16      }
17      for(int i=0;i<n;i++){
18          cin>>b[i];
19          cout<<a[i]+b[i]<<" ";
20      }
21
22
23      return 0;
24  }
```

19:28 vscode

▣ Provide custom input

COMPILE & TEST   SUBMIT

Submission ID: 40043110 / 4 seconds ago

RESULT: ● Accepted

Score	Time (sec)
10.0	1.01981

Memory (KiB)	Language
64	C++14

Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff

?

Input #1	✓	0.101846	64	5			
Input #2	✓	0.101904	64	5			
Input #3	✓	0.102294	64	5			
Input #4	✓	0.102625	64	5			
Input #5	✓	0.102035	64	10			
Input #6	✓	0.101747	64	10			
Input #7	✓	0.101639	64	15			
Input #8	✓	0.101807	64	15			
Input #9	✓	0.101998	64	15			
Input #10	✓	0.101915	64	15			

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LIVE EVENTS

Compilation Log

Compilation Successful.

Your Rating: ★★★★★

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PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED

Binary Queries

Attempted By: **21751** / Accuracy: 25

★★★½☆ 556 Votes

Micro And Array Update

Attempted By: **31242** / Accuracy: 72

★★★★☆ 747 Votes

Pairs Having Similar El...

Attempted By: **2505** / Accuracy: 29

★★★★☆ 61 Votes

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