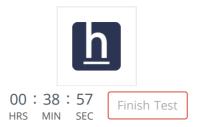
# **Programming Practice Challenge**





# **Programming Practice Challenge**

LIVE

Sep 21, 2016, 03:10 PM IST

INSTRUCTIONS PROBLEMS SUBMISSIONS LEADERBOARD ANALYTICS JUDGE

← Problems / Fredo and Array Update

## Fredo and Array Update

Max. Marks: 100

Fredo is assigned a new task today. He is given an array A containing N integers. His task is to update all elements of array to some minimum value x, that is, A[i]=x;  $1\leq i\leq N$  such that sum of this new array is strictly greater than the sum of the initial array. Note that x should be as minimum as possible such that sum of the new array is greater than the sum of the initial array.

#### Input Format:

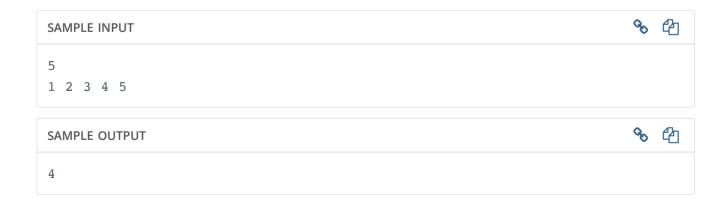
First line of input consists of an integer N denoting the number of elements in the array A. Second line consists of N space separated integers denoting the array elements.

#### **Output Format:**

The only line of output consists of the value of x.

#### **Input Constraints:**

$$1 \le N \le 10^5$$
  
 $1 \le A[i] \le 1000$ 



#### **Explanation**

Initial sum of array = 1 + 2 + 3 + 4 + 5 = 15

When we update all elements to 4, sum of array = 4 + 4 + 4 + 4 + 4 = 20 which is greater than 15.

Note that if we had updated the array elements to 3, sum=15 which is not greater than 15. So, 4 is the minimum value to which array elements need to be updated.

Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded if any testcase passes.
Allowed Languages:	C, C++, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino),
	JavaScript(Node.js), Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python,
	Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Visual Basic

### **CODE EDITOR**

Python (python 2.7.6) Enter your code or Upload your code as file. Save n = int(raw\_input()) arr = [int(num) for num in raw\_input().split()] 2 total = sum(arr) 4 length = len(arr)5 6 avg = total/length 7 8 print avg+1 9 10 11

6:19

■ Provide custom input

♀ Press Ctrl-space for autocomplete suggestions.

COMPILE & TEST

SUBMIT

Submission ID: 10465524 / 2 seconds ago

	1.09186	Memory (KiB) 64	<b>Language</b> Python	
Input	Result	Time (sec)	Memory (KiB)	Score
Input #1	•	0.11004	64	10
Input #2	•	0.105346	64	10
Input #3	•	0.106331	64	10
Input #4	•	0.10598	64	10
Input #5	•	0.110802	64	10
Input #6	•	0.109999	64	10
Input #7	•	0.10953	64	10
Input #8	•	0.110578	64	10
Input #9	•	0.110627	64	10

### **Compilation Log**

No compilation log for this submission.

- **Tip:** You can submit any number of times you want. Your best submission is considered for computing total score.
- **Support:** For any queries or issues, write to "Lavish Aggarwal" < lavish@hackerearth.com>.

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Prince Batra 4 months ago

can anyone tell why the first three inputs show wrong answer

▲ 10 votes • Reply • Message • Permalink