Programming Practice Challenge

$00 : 36 : 13$
HRS MIN SEC

Finish Test

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

SAMPLE INPUT		
5		
1 2 3 4 5		

SAMPLE OUTPUT		
4		

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

Enter your code or Upload your code as file.   Save   Python (python 2.7.6)

```python
1   # Taking number of elements
2   n = int(raw_input())
3
4   # Getting list input
5   arr = [int(num) for num in raw_input().split()]
6
7   # Getting total sum of elements of list
8   total = sum(arr)
9
10  # Getting totla number of items in an array/list
11  length = len(arr)
12
13  # Calculating average of all elements
14  avg = total/length
15
16  # Printing output
17  print avg+1
18
```

16:18

▼ Provide custom input

💡 *Press Ctrl-space for autocomplete suggestions.*

COMPILE & TEST   SUBMIT

Submission ID: 10465579 / a second ago

RESULT: ✅ Accepted

Score	Time (sec)	Memory (KiB)	Language
100.0	1.09944	64	Python

Input	Result	Time (sec)	Memory (KiB)	Score
Input #1	✅	0.105076	64	10
Input #2	✅	0.1107	64	10
Input #3	✅	0.112742	64	10
Input #4	✅	0.106573	64	10
Input #5	✅	0.109713	64	10
Input #6	✅	0.110047	64	10
Input #7	✅	0.110836	64	10
Input #8	✅	0.110923	64	10
Input #9	✅	0.112087	64	10
Input #10	✅	0.110746	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>.

Your Rating: ⭐⭐⭐⭐⭐   [Like 0] [Share]   Tweet

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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