Programming Practice Challenge

00 : 38 : 57   Finish Test
HRS   MIN   SEC

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  n = int(raw_input())
2  arr = [int(num) for num in raw_input().split()]
3  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

RESULT: ✔ Accepted

Score	Time (sec)	Memory (KiB)	Language
100.0	1.09186	64	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
Input #10	✔	0.11263	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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COMMENTS (119) ⟳   SORT BY: Relevance ▾

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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