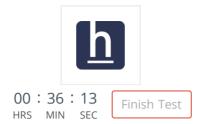
Programming Practice Challenge

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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.

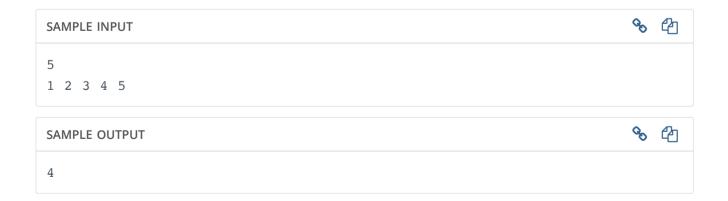
Output Format:

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

Enter your code or Upload your code as file. Python (python 2.7.6) Save # Taking number of elements 2 n = int(raw_input()) 4 # Getting list input 5 arr = [int(num) for num in raw_input().split()] 6 # Getting total sum of elements of list 7 total = sum(arr)9 10 # Getting totla number of items in an array/list length = len(arr)11 12 13 # Calculating average of all elements avg = total/length 14 15 16 # Printing output print avg+1 17 18

16:18

■ Provide custom input

Press Ctrl-space for autocomplete suggestions.

COMPILE & TEST

SUBMIT

Submission ID: 10465579 / a second ago

RESULT: ⊘ Acc	Fredo and Array Update - Programming Practice Challenge HackerEarth				
Score 100.0	Time (sec) 1.09944	Memory (KiB) 64	Language 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>.

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Prince Batra 4 months ago

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can anyone tell why the first three inputs show wrong answer

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