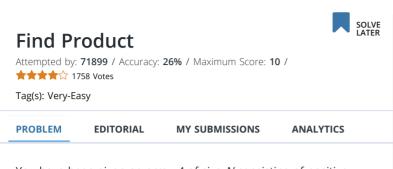


All Tracks > Basic Programming > Input/Output > Basics of Input/Output > Problem



You have been given an array $\it A$ of size $\it N$ consisting of positive integers. You need to find and print the product of all the number in this array Modulo 10^9+7 .

Input Format:

The first line contains a single integer N denoting the size of the array. The next line contains N space separated integers denoting the elements of the array

Output Format:

Print a single integer denoting the product of all the elements of the array Modulo $10^9 + 7 \,.$

Constraints:

 $1 \le N \le 10^3$

 $1 \le A[i] \le 10^3$

SAMPLE INPUT	% 🖆	SAMPLE OUTPUT	% 🖆
5 1 2 3 4 5		120	

Explanation

There are 5 integers to multiply. Let's store the final answer in **answer** variable. Since 1 is identity value for multiplication, initialize **answer** as 1.

So the process goes as follows:

answer = 1

 $answer = (answer \times 1) \% (10^9 + 7)$

 $answer = (answer \times 2) \% (10^9 + 7)$

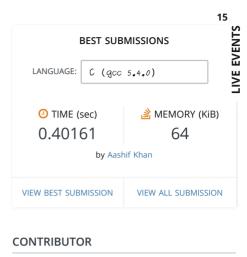
 $answer = (answer \times 3) \% (10^9 + 7)$

 $answer = (answer \times 4) \% (10^9 + 7)$

 $answer = (answer \times 5) \% (10^9 + 7)$

The above process will yield answer as 120

Time Limit:	1.0 sec(s) for each input file.			
Memory Limit:	256 MB			
Source Limit:	1024 KB			





SOCIAL SHARE



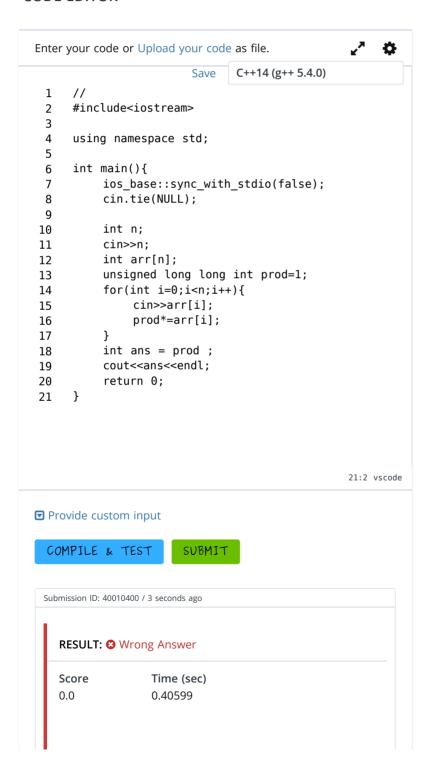
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Marking Scheme: Marks are awarded when all the testcases pass.

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, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic
```

15 INE EVENTS

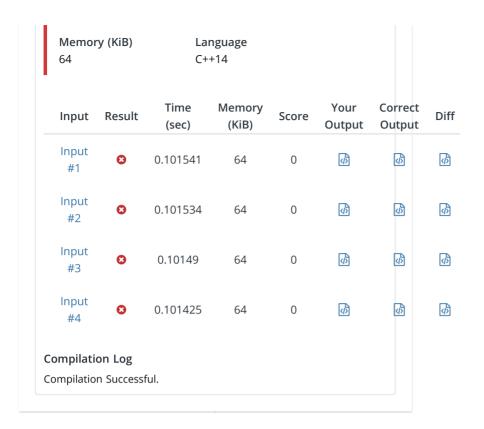
CODE EDITOR





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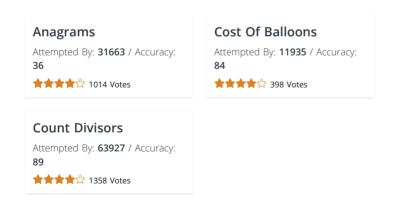
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PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED



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3 of 4 03/04/20, 11:14 am

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