**Cricket Rating**

Attempted by: **4671**

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Accuracy: **93%**

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Maximum Score: **20**

/

47 Votes

Tag(s):

Ad-Hoc, Algorithms, Easy, Implementation

**PROBLEM**

**EDITORIAL**

**MY SUBMISSIONS**

**ANALYTICS**

India is a cricket crazy nation. Chang also loves cricket and computations related to cricket. Chang has created a Cricket app.This app analyses the performance of a cricketer. If a cricketer under-performs, then a negative rating is awarded. If performance is good, then positive rating is awarded to the cricketer.Chang wants to analyse the performance of a cricketer over a period of ***N*** matches. Chang wants to find consistency of a cricketer. So he wants to find out the maximum consistent sum of cricket rating of a batsman or a bowler only if his overall rating is **positive** over that period. Help chang in doing so.

**Input**

The first line contain number of matches "***N***" over which the analysis is to be done. The second line contains those ratings of a batsman/bowler in those ***N*** matches.

**Output**

Print a single integer ie. the maximum consistent sum of rating of the cricketer if it is positive otherwise output *0*(zero).

**Constraint**

0≤N(matches)≤105

−100≤rating≤+100

**SAMPLE INPUT**

8

-1 -4 4 -2 0 1 4 -5

**SAMPLE OUTPUT**

7

**Explanation**

here the maximum consistent and continuous sum of rating is 4+(−2)+0+1+4=7

**Time Limit:**3.0 sec(s) for each input file.

**Memory Limit:**256 MB

**Source Limit:**1024 KB

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

**Allowed Languages:**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, Visual Basic

#include<iostream>

using namespace std;

int main()

{

int n;

cin>>n;

int a[n];

int i,sum=0,last=0;

for(i=0;i<n;i++)

{

cin>>a[i];

}

for(i=0;i<n;i++)

{

sum=sum+a[i];

if(sum<0)

{

sum=0;

}

if(last<sum)

{

last=sum;

}

}

cout<<last<<endl;

}