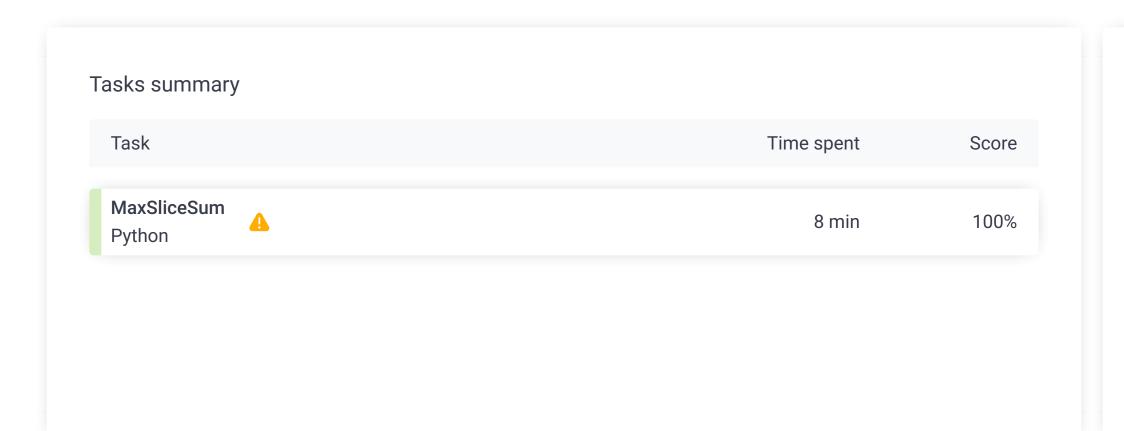
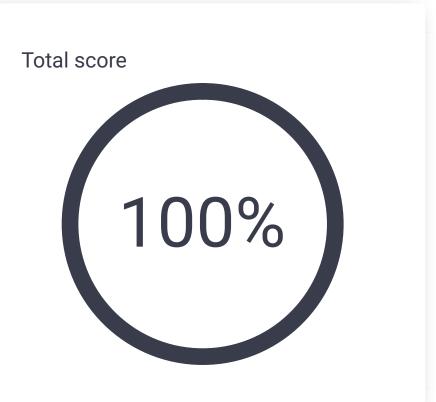
Timeline Summary





## **Tasks Details**



## 1. MaxSliceSum

Find a maximum sum of a compact subsequence of array elements.

Task Score Performance Correctness 100% 100% 100%

### Task description

A non-empty array A consisting of N integers is given. A pair of integers (P, Q), such that  $0 \le P \le Q < N$ , is called a *slice* of array A. The *sum* of a slice (P, Q) is the total of A[P] + A[P+1] + ... + A[Q].

#### Write a function:

def solution(A)

that, given an array A consisting of N integers, returns the maximum sum of any slice of A.

For example, given array A such that:

$$A[0] = 3$$
  $A[1] = 2$   $A[2] = -6$   
 $A[3] = 4$   $A[4] = 0$ 

the function should return 5 because:

- (3, 4) is a slice of A that has sum 4,
- (2, 2) is a slice of A that has sum -6,
- (0, 1) is a slice of A that has sum 5,
- no other slice of A has sum greater than (0, 1).

Write an **efficient** algorithm for the following assumptions:

- N is an integer within the range [1..1,000,000];
- each element of array A is an integer within the range [-1,000,000..1,000,000];
- the result will be an integer within the range [-2,147,483,648..2,147,483,647].

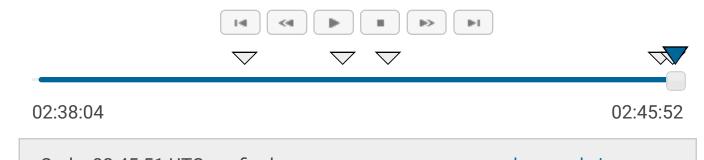
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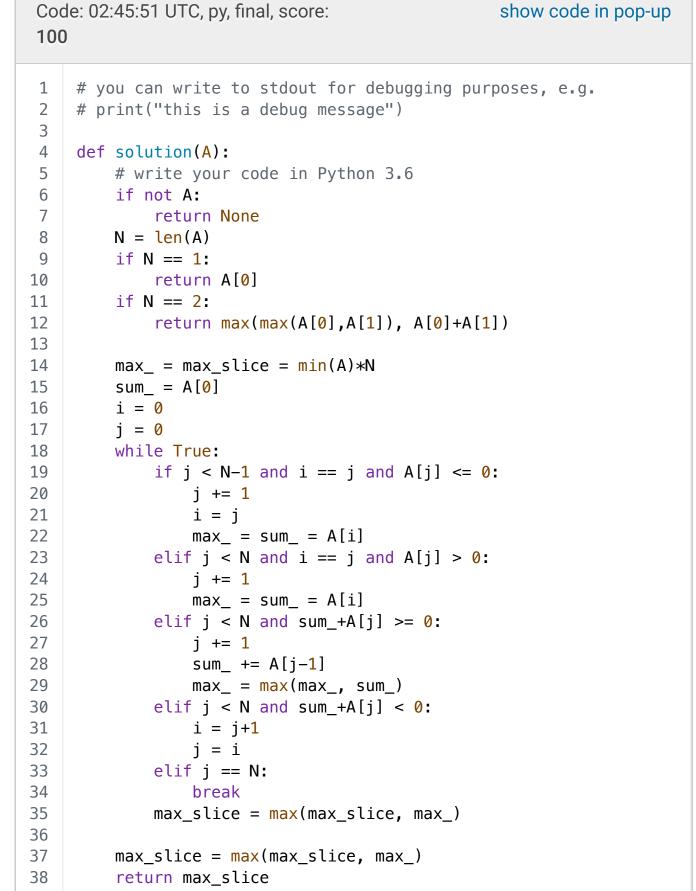
### Solution

Notes:









# Analysis summary

The solution obtained perfect score.

# Analysis

