Longest Increasing Subsequence

Try to solve the Longest Increasing Subsequence problem.



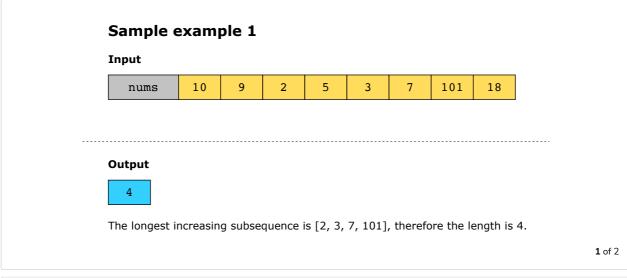
Statement

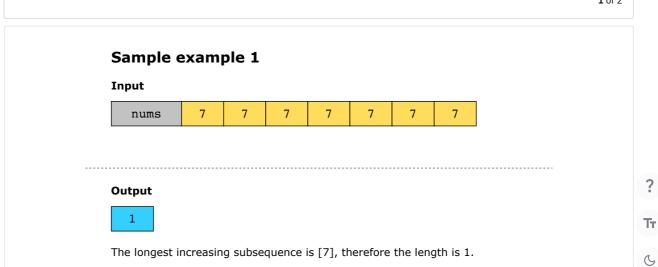
Given an integer array, nums, return the length of the longest strictly increasing subsequence.

Constraints:

- $1 \leq \mathsf{nums.length} \leq 2500$
- $\bullet \ -10^4 \leq {\tt nums[i]} \leq 10^4$

Examples

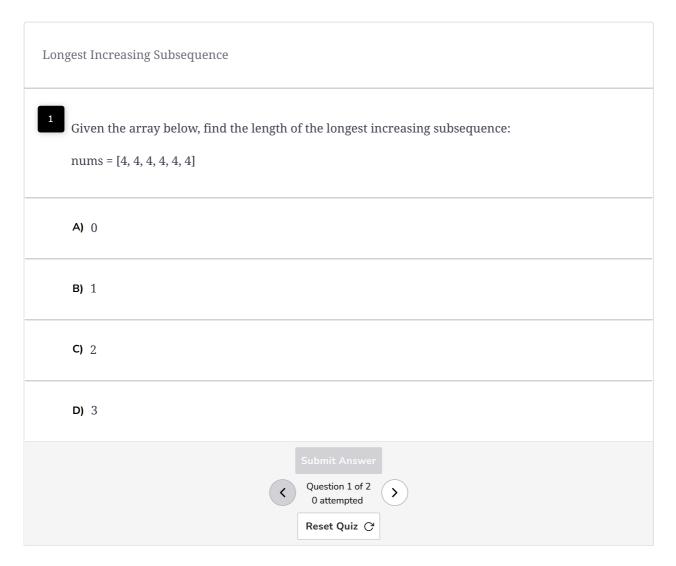






Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



Try it yourself

Implement your solution in the following coding playground:

