

Question # 9

Description:

Largest Range

Difficulty: Hard

Category: Array

Write a function that takes in an array of integers and returns an array of length 2 representing the largest range of integers contained in that array. The first number in the output array should be the first number in the range, while the second number should be the last number in the range. A range of numbers is defined as a set of numbers that come right after each other in the set of real integers. For instance, the output array [2, 6] represents the range {2, 3, 4, 5, 6}, which is a range of length 5. Note that numbers don't need to be sorted or adjacent in the input array in order to form a range. You can assume that there will only be one largest range.

Sample Input

array = [1, 11, 3, 0, 15, 5, 2, 4, 10, 7, 12, 6]

Sample Output [0, 7]

Directions :

- Solve the problem on your own.
- No group effort.
- If possible, provide more than one solution/strategy.
- Different approaches will be great for discussion.
- If you are stuck no problem. Student will experience the same.
- **Do not google it.** Try to build your own solution. It might be ugly no worries.
- We will discuss it on 8th November 2021 10:30 EST.

Good luck!

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