

**Question # 15****Description:****Subarray Sort**

Difficulty: Hard

Category: Array

Write a function that takes in an array of at least two integers and that returns an array of the starting and ending indices of the smallest subarray in the input array that needs to be sorted in place in order for the entire input array to be sorted (in ascending order). If the input array is already sorted, the function should return [-1, -1].

**Sample Input**`array = [1, 2, 4, 7, 10, 11, 7, 12, 6, 7, 16, 18, 19]`**Sample Output**`[3, 9]`**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 22<sup>nd</sup> November 2021 10:30 EST.

**Good luck!****Fatih**