

1823

STUDENT REPORT

DETAILS

Name

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Roll Number

KUB23CSE157

Title

PEAK ELEMENT FINDER

Description

Description: You are given an N- dimensional array arr[]. A peak element in the array is defined as an element whose value is greater than or equal to its neighboring elements (if they exist). Your task is to find the index of any peak element in the given array

Note: use 0-based indexing

Input:

An integer representing the number of elements in the array. N space-separated integers, denoting the elements of the array.

ANB 23 CSE 151 KUB 23

N space-separated integers ,denoting the elements of the array arr[]

Sample Input:

5

1 3 20 4 1

Sample Output:

2

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Source Code:

3.CSE151 KUB23 CSE151 KUB23 CSE W823C5F151 KU823C5F151 KU825C5F151 KU825C5F151 KU825C5F151 KU825C5F151 KU825C5F151 KU825C5F151 KU825C5F151 KU825C5F151 KU825C5 https://practice.reinprep.com/student/get-report/b7b37906-7b43-11ef-ae9a-0e411ed3c76bare and the state of t

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def find_peak_element(arr):
 n = len(arr)
 if n == 1:
    return 0
 if arr[0] > arr[1]:
    return 0
 if arr[n - 1] > arr[n - 2]:
    return n - 1
 for i in range(1, n - 1):
    if arr[i] > arr[i - 1] and arr[i] > arr[i + 1]:
      return i
 return -1
n = int(input())
arr = list(map(int, input().split()))
index = find_peak_element(arr)
if index != -1:
 print(index)
else:
 print("No peak element found.")
```

5 / 5 Test Cases Passed | 100 %

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21

(St.)

108

151

355

TIB

475