60

CDO



STUDENT REPORT

8823

603

500

-BR23C10663BR23C10663BR23C10663BR23C10663BR23C1066

The state of the s

A Authorities of the Authorities

8223

60

DETAILS

Name

PRATHAM P

Roll Number

3BR23CD066

Title

3066

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.

3BR23CD066 3BR23CD066

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

Sample Input:

5

1 3 20 4 1

Sample Output:

2

3BR23CD0663BR23CD0663BR223CD06663BR223CD06663BR223CD0663BR220CD0665BR220CD0665BR220CD0665BR220CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD0665BR200CD066 3BR23CD0665BR23CD0665BR25CD0665BR25CD0665BR25C 38R23CD0663BR23CD0663BR23C

```
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 %

https://practice.reinprep.com/student/get-report/7e5b4beb-7da7-11ef-ae9a-0e411ed3c76babeb-7d