Logo

STUDENT REPORT

50

630

,R23

DETAILS

Name

M M AISHWARYA

Roll-Number

3BR23CA056

EXPERIMENT

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.

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

3BR23CA056 3BR23CA056

38R23CA056 3BR23CA056 3BR23CA056

563BR23CR0568BR23CR0568BR2

Sample Input:

5

1 3 20 4 1

Sample Output:

2

3BR23CAO16 Jrc, 382

3.8R2.3CA056 3.8R2 https://practice.reinprep.com/student/get-report/31028a20-7c81-11ef-ae9a-0e411ed3c76b

```
9/28/24, 12:58 PM
                                                                3BR23CA056-Peak Element Finder
     n=int(input())
     l=list(map(int,input().split()))
     mx=0
     for i in range(0,n):
       if i==0:
           if l[i]>l[i+1]:
                mx=i
                break
       elif i==(len(l))-1:
           if l[i]>=l[i-1]:
               mx=i
               break
       else:
           if l[i]>=l[i+1] and l[i]>=l[i-1]:
               mx=i
               break
     print(mx)
RESULTS
   5 / 5 Test Cases Passed | 100 \%
```