

CFOS

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APPER LEGIS AND BASE LEGIS AND BASE

1823

STUDENT REPORT

DETAILS

THEHESEEN SULTHANA

Roll Number

KUB23ECE035

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

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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.

KUB23FCF035 KUB23F

KU823FCF03F5 KU825FCF03F5 KU825

LUB23ECE035 KUB23ECE035 KUB23ECE

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

Sample Input:

5

1 3 20 4 1

Sample Output:

2

KNB53ECE035 KNB53ECE03

Source Code:

```
N=int(input())
list=list(map(int,input().split()))
max=0
for i in range(0,N):
    if i==0:
        if list[i]>list[i+1]:
            max=i
            break
    elif i==(len(list))-1:
        if list[i]>=list[i-1]:
            max=i
            break
    else:
        if list[i]>=list[i+1] and list[i]>=list[i-1]:
            max=i
            break
print(max)
```

RESULT

5 / 5 Test Cases Passed | 100 %

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1780

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350

470

(403°