3886



STUDENT REPORT

DETAILS

Name

G SANJANA

Roll Number

3BR23CS057

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.

38R23C5051 38R25C5051 38R25C5051 38R25C5051 38R25C5051 38R25C5051 38R25C5051 38R25C5051

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

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Sample Input:

5

1 3 20 4 1

Sample Output:

2

3650F1 38R23C50F1 3RR23C50F1 3RR25C50F1 3RR2 3BR23C5051 https://practice.reinprep.com/student/get-report/cb3ef090-7b5d-11ef-ae9a-0e411ed3c76b

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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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