STUDENT REPORT

500

DETAILS

Name

GOUTHAMI J

Roll Number

3BR23CD023

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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-BR23CD023 3BR23CD023 3BR23CD022 3BR23CD022 3DR23CD022 3DR22CD022 3DR22CD022

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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.

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

3BR23CD0233BR23CD0233BR23CD02333BR23CD02333BR23CD023ABr23CD023BR23CD023ABr23CD023Br23CD023Br23CD023Br23CD023ABr23CD023Br23CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD02Br22CD0

Sample Input:

5

1 3 20 4 1

Sample Output:

2

38R23CD023 38R23CD023 38R23CD023 38R 38R23CD0233BR23CD023BR23CD02BR2ACD02B

38R23CD0233R2CD02338R23CD0233R2CD0238R2CD0228R2CD0 38R23CD023 3BR23CD023 https://practice.reinprep.com/student/get-report/837e19ef-7b45-11ef-ae9a-0e411ed3c76b

```
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/837e19ef-7b45-11ef-ae9a-0e411ed3c76b