

STUDENT REPORT

BR23

03

DETAILS

Name

VENIL SARODE

Roll Number

3BR23CD103

Title

REAK 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[]

38R23CD1033BR23CD103Br23CD103CD103Br23CD103Br23CD103Br23CD103Br23CD103Br23CD103CD103Br23

Sample Input:

5

1 3 20 4 1

Sample Output:

2

3BR23CD1033BR23CD1033BR23CD1033BR23CD1

30

8223

-BR23CD103 3BR23CD103 3BR23CD103

```
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/3e0d718c-7c0b-11ef-ae9a-0e411ed3c76b