3BR,

200

BR2350163BR2350263BR23550263BR2355026



STUDENT REPORT

DETAILS

Name

B RAHUL

Roll Number

3BR23CS026

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[]

3BR23C5026 3BR23C5026

5020

30)

Sample Input:

5

1 3 20 4 1

Sample Output:

2

3BR23C50263BR23C50263BR23C50263BR23C

2C502638R23C502638R2202638R23C502638R23C502638R23C502638R23C502638R23C502638R23C50260888R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C5026088R23C50888R23C5026088R23C5026088R23C5026088R23C50888R23C5026088R23C50 38R23CSO263BR23CSO265BR23CSO265BR23CSO265BR23CSO265BR23CSO265BR23CSO265BR23CSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO265BR23CSO266ARSO266ARSO266ARSO266ARSO26ARSO266ARSO26ARSO26ARSO26ARSO266ARSO26ARSO26ARSO26ARSO26ARSO26ARSO26ARSO26ARSO26ARSO26ARSO26AR https://practice.reinprep.com/student/get-report/a91af33d-7b39-11ef-ae9a-0e411ed3c76b

2822.

```
3BR23CS026-Peak Element Finder
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 %