

3882

2822.

AND BERT BE GOT LINE BE GOT LINE BERT BE GOT LINE BERT BE GOT LINE BE GOT LINE

CONTRACTOR OF THE STATE OF THE

STUDENT REPORT

DETAILS

Name

K P SAI PRAVALLIKA

Roll Number

3BR23CS072

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[]

Sample Input:

5

1 3 20 4 1

Sample Output:

2

2.CSO12.3BR2.3BR2.3CSO12.3BR2.3CSO12.BR 3BR23C5012 3BR23CS012BR23CS012BR23CS 8823C501238R23C501238R23C501238R23C50123 38R23C5012 38R22C5012 38R22C5012

https://practice.reinprep.com/student/get-report/c083303e-7d33-11ef-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/c083303e-7d33-11ef-ae9a-0e411ed3c76b