Secon

Tech. Csto98 Tempsfeet, Csto98



# STUDENT REPORT

# **DETAILS**

### Name

Sohaib Mallik`

### **Roll Number**

TEMPBTech-CSE098

098 FEWS

**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[]

FEMPBTECH. CSE098 TEMPBTECH. CSE098 TEMPBTECH. C

## **Sample Input:**

5

1 3 20 4 1

### **Sample Output:**

2

# CSE098 TEMPBTECH. CSE098 TEMPBTECH. TEMP BTech. CSE098 TEMP BTech. C CSE098 TEMPBTECH. CSE098 TEMP

13076b CSED 98 TEMP Brech. CSED 9 https://practice.reinprep.com/student/get-report/f694cfff-7c10-11ef-ae9a-0e411ed3c76b

PRIC

```
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/f694cfff-7c10-11ef-ae9a-0e411ed3c76b