

STUDENT REPORT

DETAILS

Name

UTTARESHA GOUDA G

Roll Number

TEMPBTech-ECE033

Title

CHOSS

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[]

TEMP BTECH, ECED 33 TEMP BTECH, ECED 34 TEMP B

Sample Input:

5

1 3 20 4 1

Sample Output:

2

TEMP BT ECH LECTED 33

ECEO33 TEMPRIECH, ECEO33 TEMP ECEO33 TEMPBrech. ECEO. ECO33 TEMPBrech. ECO33 TEMPBrech.

PB/E

10 / 1

Jez

Tech, Leto 33 Temps feet, Leto 33 Temps feet,

```
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.")
```

RESULT

5 / 5 Test Cases Passed | 100 %

, 28/6

ENS

1/E/

EW

333

3

33

.033