1823



STUDENT REPORT

DETAILS

Name

SAI PAWAN

Roll Number

KUB23CSE121

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.

W1823C5E121 KU823C5E121 KU823C

N space-separated integers ,denoting the elements of the array arr[]

KUB23C5E121 KUB23C

Sample Input:

5

1 3 20 4 1

Sample Output:

2

4J823C5E121

Source Code:

3C5E121 KUB23C5E121 KUB23C5E12 W823C5E121 KU823C5E121 KU823C5 https://practice.reinprep.com/student/get-report/9480ff7b-7cd2-11ef-ae9a-0e411ed3c76b

FUBL

```
KUB23CSE121-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 %
```