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BR23



STUDENT REPORT

BR23

3BR22 DETAILS

Name

B RENUSREE

Roll Number

3BR23CD012

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[]

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100

2

Sample Input:

5

1 3 20 4 1

Sample Output:

2

38R23CD01238R23CD01238R23CD01238R 38R23CD0123BR23CD0123BR23CD0

38R23CD0123BR23C 3CD0123BR23CD012BR23CD012BR23CD012BR23CD012BR23CD012BR23CD012BR23CD012BR23CD https://practice.reinprep.com/student/get-report/3d02703b-7b3c-11ef-ae9a-0e411ed3c76b

230

```
3BR23CD012-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 %

https://practice.reinprep.com/student/get-report/3d02703b-7b3c-11ef-ae9a-0e411ed3c76b