1823



# STUDENT REPORT

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# DETAILS

# Name

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**Roll Number** 

KUB23CSE134

PEAK ELEMENT FINDER

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.

WB23C5E13A KUB23C5E13A KUB23C5

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

KUB23C5E13AKUB23C5E13AKUB23C5E1

# **Sample Input:**

5

1 3 20 4 1

# **Sample Output:**

2

ŁUB23C5Ł13A

Source Code:

FUBL

```
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.")
```

0 / 5 Test Cases Passed | 0 %

https://practice.reinprep.com/student/get-report/5ca199e9-7d5f-11ef-ae9a-0e411ed3c76b