STUDENT REPORT STUDENT REPORT SERVACION SERV	
Name School Specific Control of Specific Contr	
Roll Number 3BR23CD097	
EXPERIMENT Title PEAK ELEMENT FINDER Description ARRAGORIA AR	
Description Volume of the control of	
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[] Sample Input:	
13 20 4 1 Sample Output:	
Source Code: Source Code: 32	

```
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.")
RESULTO
```

5 / 5 Test Cases Passed | 100 %

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