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8230	STUDENT REPORT
SEONS [DETAILS 3 C FLOAT KURD 3 C FLOAT KUR
1823	ASON KENNETH N Roll Number (540) (540) (540) (540)
to	Roll Number KUB23CSE045
()	EXPERIMENT Title SPEAK ELEMENT, FINDER Description LEAN ALLER 23 CSEDAN AL
3	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
U823C	Note: use 0-based indexing
	↑ Input:
CSEOAS	An integer representing the number of elements in the array. N space-separated integers, denoting the elements of the array.
)	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[]
NB3	Sample Innut:
N'S T	5 1 3 20 4 1
	1 3 20 4 1
823C5K	Sample Output: 2
4 J823	Source Codes: Code State
	The state of the s

```
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 -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 %
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