

## 27. Remove Element

Total Accepted: **91120**   Total Submissions: **280789**   Difficulty: **Easy**

Given an array and a value, remove all instances of that value in place and return the new length.

The order of elements can be changed. It doesn't matter what you leave beyond the new length.

It is an easy problem, but It did take me some time to understand what the problem exactly asking.

Given an array and a value, we need to delete all the occurrence of that value in the array, and then return the new array.

Once you get its meaning, its very easy.

Code:

```
4  def removeElement(self, nums, val):
5
6      n = len(nums)
7      index = 0
8
9      for i in range(n):
0          if nums[i] != val:
1              nums[index] = nums[i]
2              index += 1
3
4      return index
5
```