1. Nums=[2,4,5,7,11,13] target=9

```
class Solution(object):
    def twoSum(self, nums, target):
        for i in range(len(nums)):
            for j in range(i + 1, len(nums)):
                if nums[i] + nums[j] == target:
                    return [i, j]
        return []
```

2. Palindrome Number

```
class Solution(object):

    def isPalindrome(self, x):
        if x < 0:
            return False

        y = x
        result = 0

        while y != 0:
            remainder = y % 10
            result = result * 10 + remainder
            y = y // 10
        return x == result
```

3. Strs=[“flower”, “flow”,”flight”] output=fl

```
class Solution(object):
    def longestCommonPrefix(self, strs):
        if not strs:
            return ""
        first = strs[0]
        result = ""
        for i in range(len(first)):
            char = first[i]
            for j in range(1, len(strs)):
                if i >= len(strs[j]) or strs[j][i] != char:
                    return result
            result += char
        return result
```

4. Remove Duplicate Element

```
class Solution(object):
    def removeDuplicates(self, nums):
        unique_nums = sorted(set(nums))
        nums[:len(unique_nums)] = unique_nums
```

```
        return len(unique_nums)
```

5. Remove element

```
class Solution(object):
    def removeElement(self, nums, val):
        index = 0
        for i in range(len(nums)):
            if nums[i] != val:
                nums[index] = nums[i]
                index += 1

        return index
```