496. Next Greater Element I https://leetcode.com/problems/next-greater-element-i/description/)

49.anagram https://leetcode.com/problems/valid-anagram/submissions/879678564/ (https://leetcode.com/problems/valid-anagram/submissions/879678564/)

```
In [ ]: class Solution:
            def isAnagram(self, s: str, t: str) -> bool:
                if len(s)!= len(t):
                    return False
                cs,ct={},{}
                for i in range(len(s)):
                    cs[s[i]] = 1 + cs.get(s[i], 0)
                    ct[t[i]]= 1+ ct.get(t[i],0)
                for c in cs:
                    if cs[c]!= ct.get(c):
                        return False
                return True
        ## 2nd method
            return sorted(s)==sorted(t)
        ## 3rd method
            from collections import Counter
            return Counter(s) == Counter(t)
```

two sums https://leetcode.com/problems/two-sum/submissions/ (https://leetcode.com/problems/two-sum/submissions/)

53. maximum subarray https://leetcode.com/problems/maximum-subarray/description/ (https://leetcode.com/problems/maximum-subarray/description/)

```
In []: class Solution:
    def maxSubArray(self, nums: List[int]) -> int:
        maxsub = nums[0]
        cursum=0
        for n in nums:
            if cursum<0:
                cursum=0
                cursum+n
                maxsub=max(cursum,maxsub)
        return maxsub</pre>
```

167. Two Sum II - Input Array Is Sorted https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/description/, (https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/description/)

```
In []: class Solution:
    def twoSum(self, numbers: List[int], target: int) -> List[int]:
        l,r = 0 ,len(numbers)-1
        while l<r:
            cursum= numbers[l]+numbers[r]
        if cursum > target:
            r-=1
        elif cursum < target :
            l+=1
        else:
            return [l+1,r+1]</pre>
```

198.house robber https://leetcode.com/problems/house-robber/description/ (https://leetcode.com/problems/house-robber/description/)

```
In [ ]: class Solution:
    def rob(self, nums: List[int]) -> int:
        r1,r2=0,0
        for n in nums:
            temp = max(n+r1,r2)
            r1=r2
            r2=temp
    return r2
```

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121.best-time-to-buy-and-sell-stock https://leetcode.com/problems/best-time-to-buy-and-sell-stock/description/ (https://leetcode.com/problems/best-time-to-buy-and-sell-stock/description/)

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70. climbing stairs https://leetcode.com/problems/climbing-stairs/description/ (https://leetcode.com/problems/climbing-stairs/description/)

```
In [ ]: class Solution:
    def climbStairs(self, n: int) -> int:
        one ,two =1,1
        for i in range(n-1):
            temp = one
            one =one +two
            two= temp
        return one
```

20. valid-parentheses https://leetcode.com/problems/valid-parentheses/description/ (https://leetcode.com/problems/valid-parentheses/description/)

1299.replace-elements-with-greatest-element-on-right-side https://leetcode.com/problems/replace-elements-with-greatest-element-on-right-side/description/ (https://leetcode.com/problems/replace-elements-with-greatest-element-on-right-side/description/)

```
In []: class Solution:
    def replaceElements(self, arr: List[int]) -> List[int]:
        # max = -1
        # reverse order
        # newmax = max(oldmax, arr[i])

        rightmax = -1
        for i in range(len(arr)-1,-1,-1):
            newmax = max(rightmax, arr[i])
            arr[i] = rightmax
            rightmax = newmax
        return arr
```

202. happy-number https://leetcode.com/problems/happy-number/description/ (https://leetcode.com/problems/happy-number/description/)

```
In [ ]: class Solution:
            def isHappy(self, n: int) -> bool:
                visit = set()
                while n not in visit:
                    visit.add(n)
                    n = self.sumofsquares(n)
                    if n==1:
                        return True
                return False
            def sumofsquares(self, n: int) -> int:
                0 =go
                while n:
                    digit = n%10
                    digit = digit ** 2
                    op+=digit
                    n = n//10
                return op
```

35. search-insert-position https://leetcode.com/problems/search-insert-position/description/)

046. last-stone-weight https://leetcode.com/problems/last-stone-weight/description/ (https://leetcode.com/problems/last-stone-weight/description/)

```
In []: import heapq
class Solution:
    def lastStoneWeight(self, stones: List[int]) -> int:
        stones=[-s for s in stones]
        heapq.heapify(stones)

    while len(stones)>1:
        first = heapq.heappop(stones)
        sec = heapq.heappop(stones)
        if (sec> first):
            heapq.heappush(stones,first-sec)
        stones.append(0)
        return abs(stones[0])
```

26.remove-duplicates-from-sorted-array https://leetcode.com/problems/remove-duplicates-from-sorted-array/description/)

263.ugly-number https://leetcode.com/problems/ugly-number/description/ (https://leetcode.com/problems/ugly-number/description/)

746. min-cost-climbing-stairs https://leetcode.com/problems/min-cost-climbing-stairs/description/ (https://leetcode.com/problems/min-cost-climbing-stairs/description/)

125.valid-palindrome https://leetcode.com/problems/valid-palindrome/description/ (https://leetcode.com/problems/valid-palindrome/description/)

```
In []: class Solution:
    def isPalindrome(self, s: str) -> bool:
        newstr= ""
    for c in s:
        if c.isalnum():
            newstr+= c.lower()
    return newstr == newstr[::-1]
```

205. isomorphic-strings https://leetcode.com/problems/isomorphic-strings/description/ (https://leetcode.com/problems/isomorphic-strings/description/)

191.number-of-1-bits https://leetcode.com/problems/number-of-1-bits/description/ (https://leetcode.com/problems/number-of-1-bits/description/)

217.contains-duplicate https://leetcode.com/problems/contains-duplicate/description/ (https://leetcode.com/problems/contains-duplicate/description/)

```
In [ ]: class Solution:
    def containsDuplicate(self, nums: List[int]) -> bool:
        map = set()
        for n in nums:
            if n in map:
                 return True
                 map.add(n)
        return False
```

605. can-place-flowers https://leetcode.com/problems/can-place-flowers/description/ (https://leetcode.com/problems/can-place-flowers/description/)

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28. find-the-index-of-the-first-occurrence-in-a-string https://leetcode.com/problems/find-the-index-of-the-first-occurrence-in-a-string/description/ (https://leetcode.com/problems/find-the-index-of-the-first-occurrence-in-a-string/description/)

```
In []:
    class Solution:
        def strStr(self, haystack: str, needle: str) -> int:
            if needle=="":
                return 0
        for i in range(len(haystack)+1 -len(needle)):
            if haystack[i: i+len(needle)]== needle:
                return i
        return -1
```

977. squares-of-a-sorted-array https://leetcode.com/problems/squares-of-a-sorted-array/description/ (https://leetcode.com/problems/squares-of-a-sorted-array/description/)

283. move-zeroes https://leetcode.com/problems/move-zeroes/description/ (https://leetcode.com/problems/move-zeroes/description/)

In []: class Solution:

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136. single number https://leetcode.com/problems/single-number/description/ (https://leetcode.com/problems/single-number/description/)

```
In [ ]: class Solution:
    def singleNumber(self, nums: List[int]) -> int:
        res = 0
        for n in nums:
            res = res^ n
        return res
```

213. house-robber-ii https://leetcode.com/problems/house-robber-ii/description/ (https://leetcode.com/problems/house-robber-ii/description/)

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