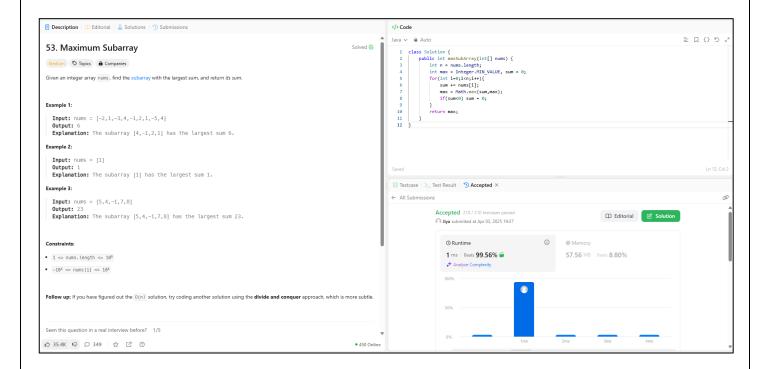


## 53. Maximum Subarray

https://leetcode.com/problems/maximum-subarray/description/

```
class Solution {
   public int maxSubArray(int[] nums) {
      int n = nums.length;
      int max = Integer.MIN_VALUE, sum = 0;
      for(int i=0;i<n;i++){
            sum += nums[i];
            max = Math.max(sum,max);
            if(sum<0) sum = 0;
      }
      return max;
   }
}</pre>
```



## 322. Coin Change

https://leetcode.com/problems/coin-change/description/

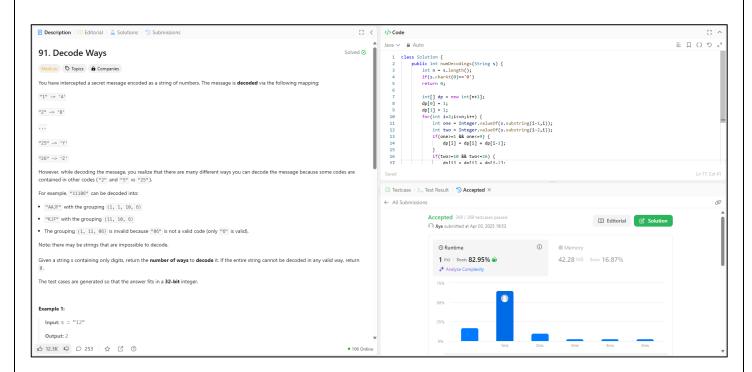
```
class Solution {
    public int coinChange(int[] coins, int amount) {
        int n = coins.length;
        int[] dp = new int[amount+1];
        Arrays.fill(dp,amount+1;
        dp[0] = 0;
        for(int i=1;i<=amount;i++) {</pre>
            for(int c : coins) {
                 if(i-c >= 0) {
                     dp[i] = Math.min(dp[i],dp[i-c] + 1);
            }
        if(dp[amount]>amount) {
            return -1;
        }
        return dp[amount];
    }
}
```



## 91. Decode Ways

https://leetcode.com/problems/decode-ways/description/

```
class Solution {
    public int numDecodings(String s) {
        int n = s.length();
        if(s.charAt(0)=='0')
        return 0;
        int[] dp = new int[n+1];
        dp[0] = 1;
        dp[1] = 1;
        for(int i=2;i<=n;i++) {</pre>
             int one = Integer.valueOf(s.substring(i-1,i));
             int two = Integer.valueOf(s.substring(i-2,i));
            if(one>=1 && one<=9) {
                 dp[i] = dp[i] + dp[i-1];
            if(two>=10 && two<=26) {
                 dp[i] = dp[i] + dp[i-2];
        return dp[n];
    }
}
```



## 279. Perfect Squares

https://leetcode.com/problems/perfect-squares/description/

