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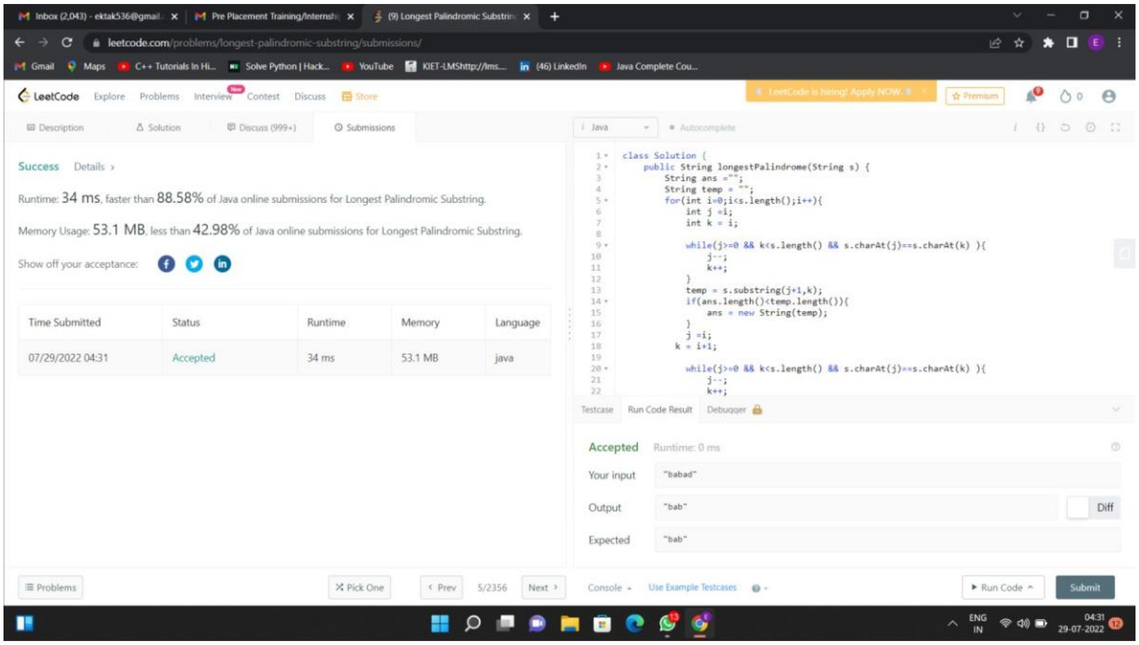
WEEK -4

PROBLEM-1(LEETCODE)



Success Details ›

Runtime: 34 ms, faster than 88.58% of Java online submissions for Longest Palindromic Substring.

Memory Usage: 53.1 MB, less than 42.98% of Java online submissions for Longest Palindromic Substring.

Show off your acceptance:

Time Submitted	Status	Runtime	Memory	Language
07/29/2022 04:31	Accepted	34 ms	53.1 MB	java

```java
class Solution {
    public String longestPalindrome(String s) {
        String ans ="";
        String temp = "";
        for(int i=0;i<s.length();i++){
            int j =i;
            int k = i;

            while(j>=0 && k<s.length() && s.charAt(j)==s.charAt(k) ){
                j--;
                k++;
            }
            temp = s.substring(j+1,k);
            if(ans.length()<temp.length()){
                ans = new String(temp);
            }
            j =i;
          k = i+1;

            while(j>=0 && k<s.length() && s.charAt(j)==s.charAt(k) ){
                j--;
                k++;
```

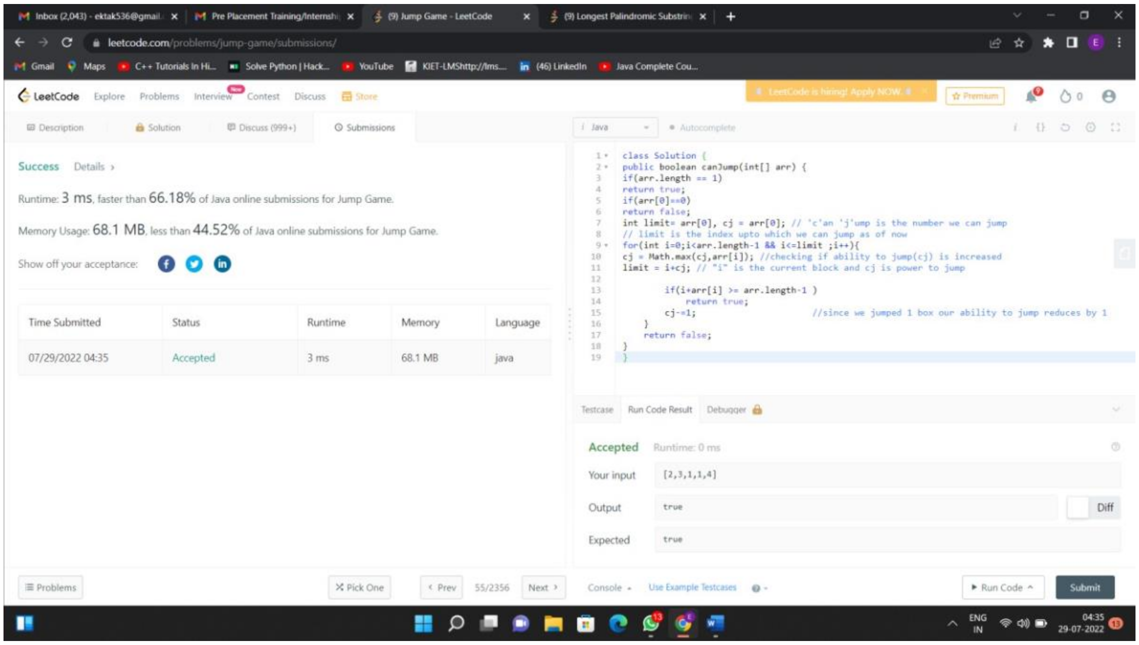
Accepted Runtime: 0 ms

Your input "babad"

Output "bab"

Expected "bab"

PROBLEM-2



Success Details ›

Runtime: 3 ms, faster than 66.18% of Java online submissions for Jump Game.

Memory Usage: 68.1 MB, less than 44.52% of Java online submissions for Jump Game.

Time Submitted	Status	Runtime	Memory	Language
07/29/2022 04:35	Accepted	3 ms	68.1 MB	java

```java
class Solution {
public boolean canJump(int[] arr) {
if(arr.length == 1)
return true;
if(arr[0]==0)
return false;
int limit= arr[0], cj = arr[0]; // 'c'an 'j'ump is the number we can jump
// limit is the index upto which we can jump as of now
for(int i=0;i<arr.length-1 && i<=limit ;i++){
cj = Math.max(cj,arr[i]); //checking if ability to jump(cj) is increased
limit = i+cj; // "i" is the current block and cj is power to jump

        if(i+arr[i] >= arr.length-1 )
            return true;
        cj-=1;                    //since we jumped 1 box our ability to jump reduces by 1
    }
    return false;
}
}
```

Testcase | Run Code Result | Debugger

Accepted Runtime: 0 ms

Your input `[2,3,1,1,4]`

Output `true`

Expected `true`