

DSA CODING QUESTION PRACTICE – 9

1. Valid Palindrome

Accepted
Jency R submitted at Nov 21, 2024 10:54

Runtime
3 ms | Beats 72.13%

Memory
43.33 MB | Beats 52.40%

```
1 import java.util.*;
2 class Solution {
3     public boolean isPalindrome(String s) {
4         StringBuilder s1 = new StringBuilder();
5         for(char ch : s.toCharArray()){
6             if(Character.isLetterOrDigit(ch)){
7                 s1.append(Character.toLowerCase(ch));
8             }
9         }
10        int l = 0, r = s1.length()-1;
11        while(l<r){
12            if(s1.charAt(l) != s1.charAt(r)){
13                return false;
14            }
15            l++;
16            r--;
17        }
18        return true;
19    }
20 }
21 }
```

2. Subsequence

Accepted
Jency R submitted at Nov 21, 2024 11:00

Runtime
2 ms | Beats 63.46%

Memory
41.36 MB | Beats 58.87%

```
1 class Solution {
2     public boolean isSubsequence(String s, String t) {
3         int si=0;
4         int ti=0;
5         while(si<s.length() && ti<t.length()){
6             if(s.charAt(si)==t.charAt(ti)){
7                 si++;
8             }
9             ti++;
10        }
11        return si==s.length();
12    }
13 }
14 }
15 }
```

3. 2Sum

The screenshot shows a LeetCode submission interface for the "2Sum" problem. The submission is marked as "Accepted" and was submitted by "Jency R" on Nov 21, 2024, at 12:57. The performance metrics are 2 ms runtime, beating 93.14% of other submissions, and 47.28 MB memory, beating 28.08% of other submissions. A line graph shows the memory usage relative to other submissions, with the user's submission at the bottom. The code is written in Java and implements a two-pointer solution. The code is as follows:

```
1 class Solution {
2     public int[] twoSum(int[] numbers, int target) {
3         int l = 0;
4         int r = numbers.length - 1;
5         while (l < r) {
6             int sum = numbers[l] + numbers[r];
7             if (sum == target) {
8                 return new int[] {l+1, r+1};
9             }
10            else if (sum < target) {
11                l++;
12            } else {
13                r--;
14            }
15        }
16        return new int[] {-1, -1};
17    }
18 }
```

The interface also includes tabs for "Description", "Accepted", "Editorial", "Solutions", and "Submissions". The "Code" tab is active, showing the Java code. The "Test Result" and "Testcase" tabs are also visible at the bottom.