

Daily Coding Practice-5

1. Stock Buy and Sell:

The screenshot shows a coding platform interface with the 'Stock Buy and Sell' problem solved successfully. The left sidebar displays the 'Output Window' with 'Compilation Results' and 'Custom Input' tabs. The 'Problem Solved Successfully' message is shown with a green checkmark. The test cases passed are 142 / 142, and the points scored are 4 / 4. The attempts are 1 / 1, and the accuracy is 100%. The time taken is 0.1 seconds. The right sidebar shows the code editor with the following Java code:

```
1 // Driver Code Ends
2
3
4 class Solution {
5     ArrayList<ArrayList<Integer>> stockBuySell(int A[], int n) {
6         ArrayList<ArrayList<Integer>> result = new ArrayList<>();
7         int i = 0;
8         while (i < n - 1) {
9             while (i < n - 1 && A[i + 1] <= A[i]) {
10                 i++;
11             }
12             if (i == n - 1) break;
13             int buy = i;
14             i++;
15             while (i < n && A[i] >= A[i - 1]) {
16                 i++;
17             }
18             int sell = i - 1;
19             ArrayList<Integer> pair = new ArrayList<>();
20             pair.add(buy);
21             pair.add(sell);
22             result.add(pair);
23         }
24         return result;
25     }
26 }
```

2. Coin Change(Count Ways):

The screenshot shows a coding platform interface with the 'Coin Change(Count Ways)' problem solved successfully. The left sidebar displays the 'Output Window' with 'Compilation Results' and 'Custom Input' tabs. The 'Problem Solved Successfully' message is shown with a green checkmark. The test cases passed are 1111 / 1111, and the points scored are 4 / 4. The attempts are 1 / 1, and the accuracy is 100%. The time taken is 0.19 seconds. The right sidebar shows the code editor with the following Java code:

```
1 // Driver Code Ends
2
3
4 // User function Template for Java
5
6 class Solution {
7     public int count(int[] coins, int sum) {
8         int n = coins.length;
9         int[] dp = new int[sum + 1];
10         dp[0] = 1;
11         for (int coin : coins) {
12             for (int j = coin; j <= sum; j++) {
13                 dp[j] += dp[j - coin];
14             }
15         }
16         return dp[sum];
17     }
18 }
```

3. Wave Array:

Output Window

Compilation Results

Custom Input

Y.O.G.I. (AI Bot)

Problem Solved Successfully

Test Cases Passed

1120 / 1120

Attempts : Correct / Total

1 / 1

Accuracy : 100%

Points Scored

2 / 2

Your Total Score: 22

Time Taken

0.91

Solve Next

```
1 // Driver Code Ends
53
54
55 class Solution {
56     public static void convertToWave(int[] arr) {
57         int n = arr.length;
58         for (int i = 0; i < n - 1; i += 2) {
59             int temp = arr[i];
60             arr[i] = arr[i + 1];
61             arr[i + 1] = temp;
62         }
63     }
64 }
65
```

4.First Transition Point:

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Output Window

Compilation Results

Custom Input

Y.O.G.I. (AI Bot)

Problem Solved Successfully

Test Cases Passed

1115 / 1115

Attempts : Correct / Total

1 / 1

Accuracy : 100%

Points Scored

2 / 2

Your Total Score: 28

Time Taken

0.41

Solve Next

Java (1.8)

Average Time: 20m

Start Timer

```
1 // Driver Code Ends
26
27
28
29 class Solution {
30     int transitionPoint(int arr[]) {
31         int left = 0, right = arr.length - 1;
32         if (arr[right] == 0) return -1;
33         if (arr[0] == 1) return 0;
34         int result = -1;
35         while (left <= right) {
36             int mid = left + (right - left) / 2;
37             if (arr[mid] == 1) {
38                 result = mid;
39                 right = mid - 1;
40             } else {
41                 left = mid + 1;
42             }
43         }
44         return result;
45     }
46 }
47
```