



Experiment- 3.3

Student Name: Jatin

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Branch: BE CSE

Section/Group: NTPP_605-B

Semester: 6th

Subject Code: 20CSP-351

Subject Name: CC Lab

Question : Best Time to Buy and Sell Stock

Problem1:

. Code:

```
class Solution {  
  
    public int maxProfit(int[] prices) {  
  
        int lsf = Integer.MAX_VALUE;  
  
        int op = 0;  
  
        int pist = 0;  
  
        for(int i = 0; i < prices.length; i++){  
  
            if(prices[i] < lsf){
```



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```
        lsf = prices[i];  
  
    }  
  
    pist = prices[i] - lsf;  
  
    if(op < pist){  
  
        op = pist;  
  
    }  
  
}  
  
return op;  
  
}  
  
}
```

Output:



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The screenshot shows the LeetCode website interface. The browser tabs include 'Rajdoot (Official Video) : Manjeet Mor | Anjali Rag', 'Course: 20CSP-351_20BCS_NTTP_DM-605_B :: CO', 'Best Time to Buy and Sell Stock - LeetCode', and 'Climbing Stairs - LeetCode'. The URL bar shows 'leetcode.com/problems/best-time-to-buy-and-sell-stock/submissions/947021107/'. The page title is 'LeetCode'. The navigation bar includes 'Problem List' and 'Premium'. The main content area is divided into two sections: 'Submissions' and 'Details'. The 'Submissions' section shows a list of submissions with columns for 'Status', 'Language', and 'Time'. The 'Details' section shows the submission for user 'Jatin' with a runtime of 2 ms and a memory usage of 58.7 MB. The submission is marked as 'Accepted'.

Problem 2: Climbing Stairs

Code:

```
class Solution {
```



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```
public int climbStairs(int n) {  
  
    if(n==1) return 1;  
  
    if(n==2) return 2;  
  
    int[] a = new int[n];  
  
    a[0]=1;  
  
    a[1]=2;  
  
    for(int i=2;i<n;i++){  
  
        a[i]=a[i-1]+a[i-2];  
  
    }  
  
    return a[n-1];  
  
}
```

Output:



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Browser tabs: Rajdoot (Official Video) : Manjeet Mor | Anjali, Course: 20CSP-351_208CS_NTPP_DM-605_B :: COM, Climbing Stairs - LeetCode

URL: leetcode.com/problems/climbing-stairs/submissions/947021269/

LeetCode

Problem List

Premium

Description Editorial Solutions (11.5K) Submissions

All statuses All languages

Accepted
May 09, 2023

Java

Console

Run Submit

Submissions

Jatin
May 09, 2023 09:57

Java

Sorry, there are not enough accepted submissions to show data

Runtime 0 ms Beats 100% Memory 39.6 MB

Click the distribution chart to view more details

Notes

Write your notes here

Related Tags

Select tags

```
class Solution {
    public int climbStairs(int n) {
        if(n==1) return 1;

        if(n==2) return 2;

        int[] a = new int[n];
        a[0]=1;
```



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