Experiment- 3.3

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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) {</pre>
```

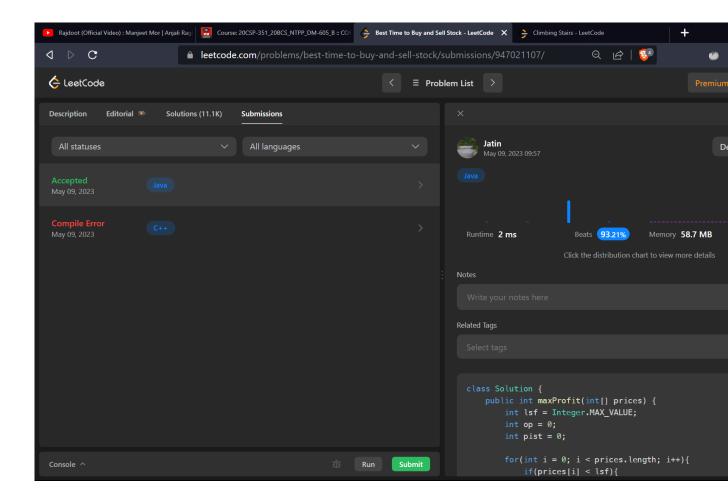
```
lsf = prices[i];

pist = prices[i] - lsf;

if(op < pist){
    op = pist;
}

return op;
}</pre>
```

Output:



Problem 2: Climbing Stairs

Code:

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

Output:

}

