 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 4	Name : VEDANT BHARAD	
Day : 105	Date : 30/1/2023	Enrollment No: 92100133023


CP Club 365 Days Challenge

Programming language – Python

Problem Statement

<https://practice.geeksforgeeks.org/problems/majority-element-1587115620/0>

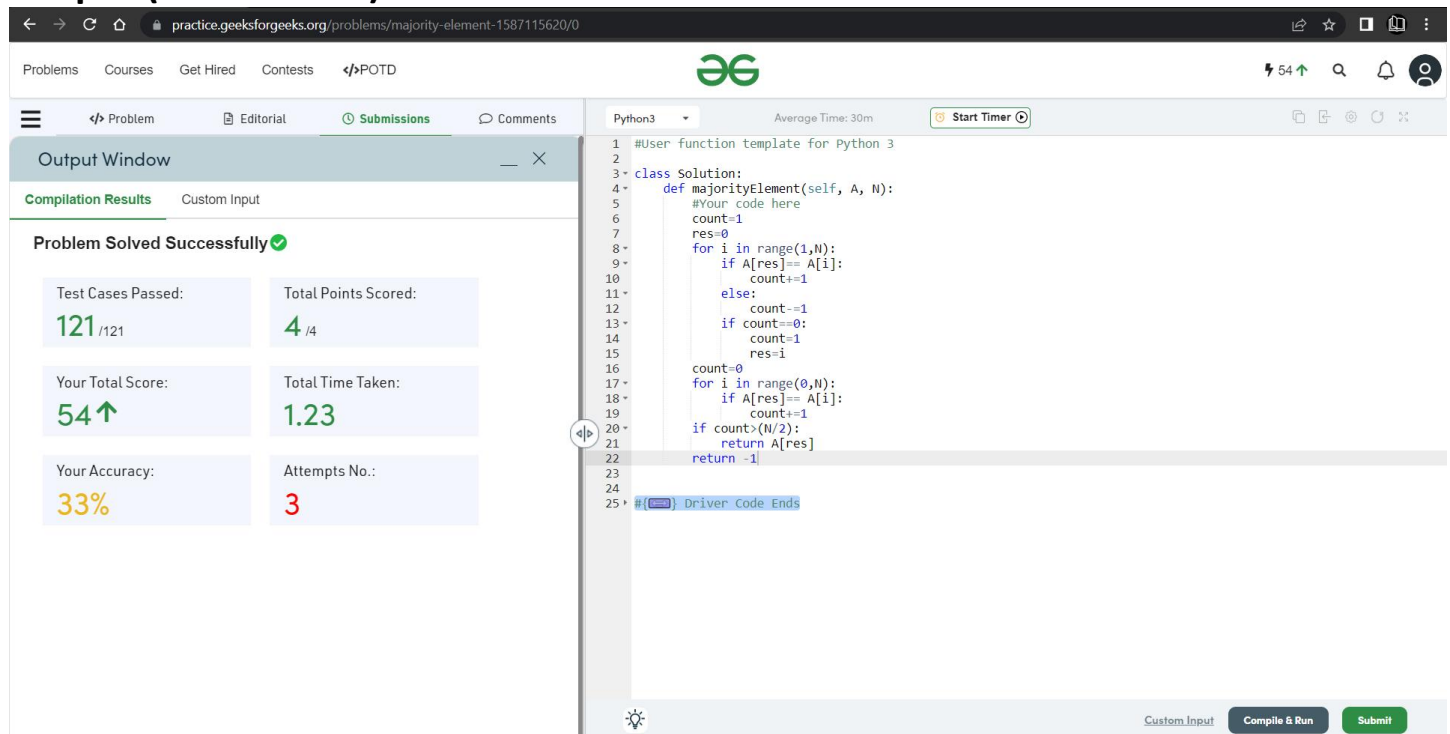
Git :- https://github.com/Vedantbharad2603/CP_club_365_Days

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Your Code:

```
def majorityElement(self, A, N):
    #Your code here
    count=1
    res=0
    for i in range(1,N):
        if A[res]== A[i]:
            count+=1
        else:
            count-=1
        if count==0:
            count=1
            res=i
    count=0
    for i in range(0,N):
        if A[res]== A[i]:
            count+=1
    if count>(N/2):
        return A[res]
    return -1
```

Output (Screen Shot):




The screenshot shows a web interface for a coding practice platform. The top navigation bar includes links for Problems, Courses, Get Hired, and Contests. The current page is for the 'Majority Element' problem (ID: 1587115620/0). The left sidebar shows the 'Submissions' tab, indicating the problem was solved successfully. The main content area displays the following statistics:

- Test Cases Passed: 121 / 121
- Total Points Scored: 4 / 4
- Your Total Score: 54 ↑
- Total Time Taken: 1.23
- Your Accuracy: 33%
- Attempts No.: 3

The right side of the interface shows the code editor with the Python 3 code for the 'majorityElement' function. The code is as follows:

```
1 #User function template for Python 3
2
3 class Solution:
4     def majorityElement(self, A, N):
5         #Your code here
6         count=1
7         res=0
8         for i in range(1,N):
9             if A[res]== A[i]:
10                count+=1
11            else:
12                count-=1
13            if count==0:
14                count=1
15                res=i
16        count=0
17        for i in range(0,N):
18            if A[res]== A[i]:
19                count+=1
20        if count>(N/2):
21            return A[res]
22        return -1
23
24
25 # Driver Code Ends
```

At the bottom right, there are buttons for 'Compile & Run' and 'Submit'.

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Understanding about problem:

- In this task I need to find number which is appears more then $N/2$ time and return that number if there is no any number found which is appears more then $N/2$ time then return -1.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club