Experiment No. - 2

Student Name: Vivek Kumar
Branch: BE-CSE(LEET)
Semester: 6th
Subject Name: Competitive coding - II

UID: 21BCS8129
Section/Group: 20BCS-ST-801/B
Date of Performance: 21/02/2023
Subject Code: 20CSP-351

1. **Aim/Overview of the practical:**

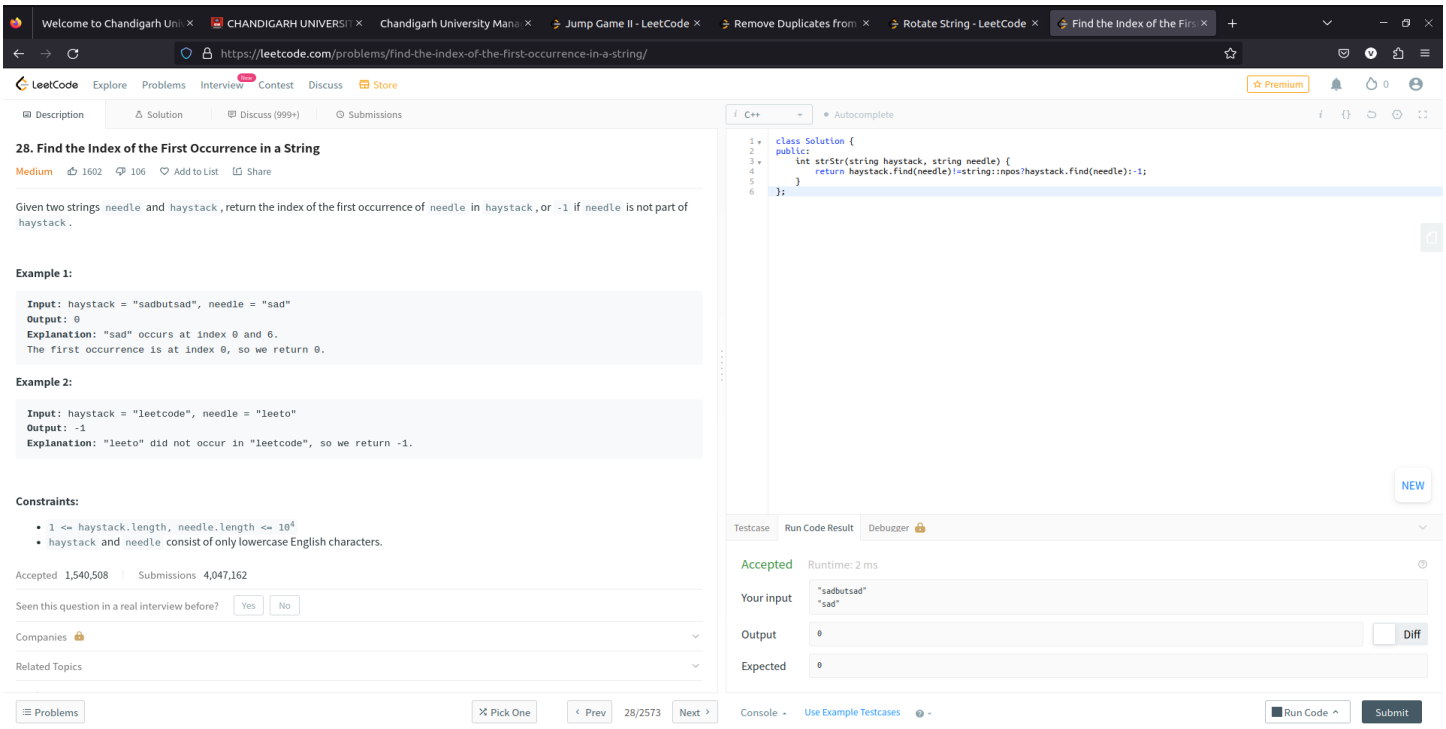
   Q.1 Find the Index of the First Occurance in a String.

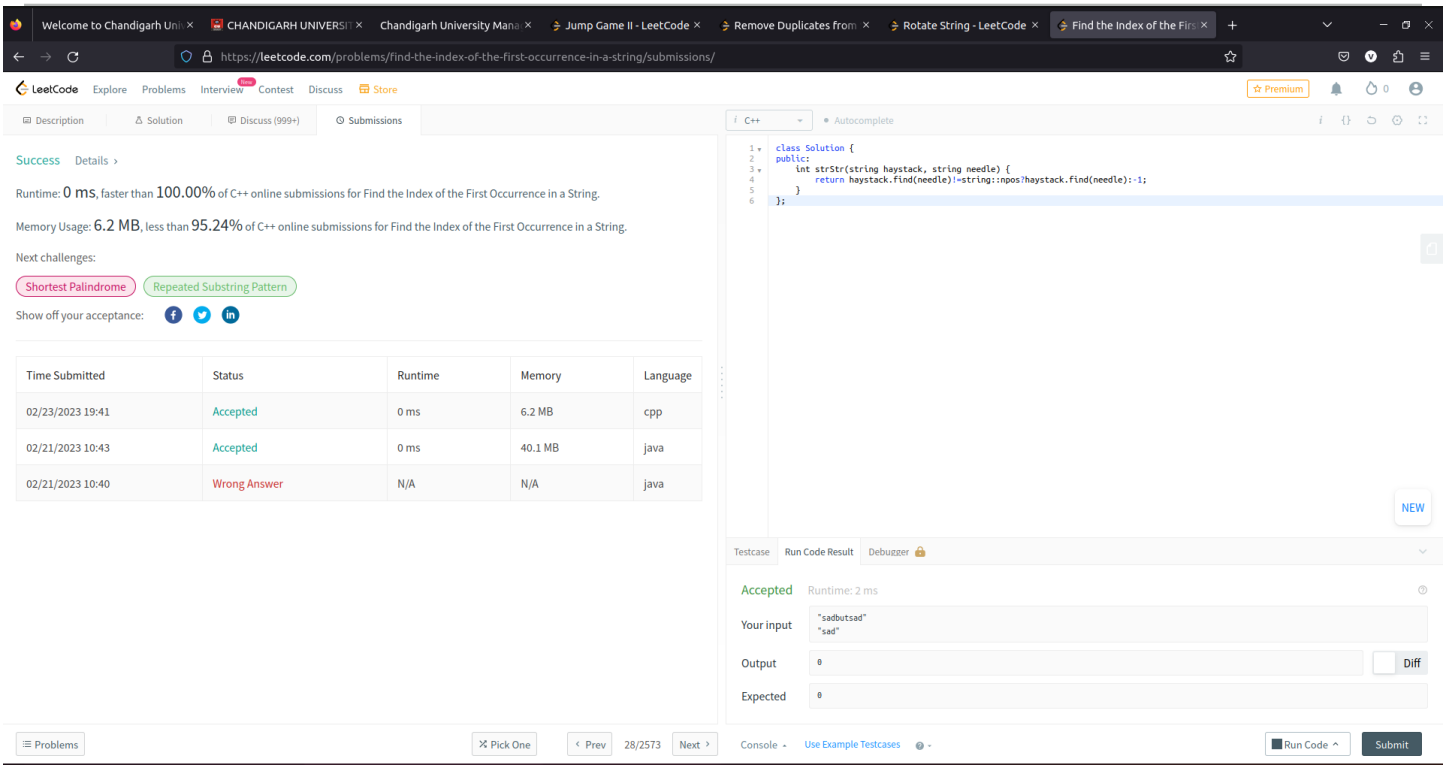
   https://leetcode.com/problems/find-the-index-of-the-first-occurrence-in-a-string/

2. **Apparatus / Simulator Used:**
   - Windows 7 or above
   - Google Chrome
3. **Objective:**
   - To understand the concept of String
   - To implement the concept of Occurance Count.
4. **Code:**

```
class Solution {
public:
    int strStr(string haystack, string needle) {
        return haystack.find(needle)!=string::npos?haystack.find(needle):-1;
    }
};
```

5. **Result/Output/Writing Summary:**





1. **Aim/Overview of the practical:**

   Q.2 Rotate String

   https://leetcode.com/problems/rotate-string/

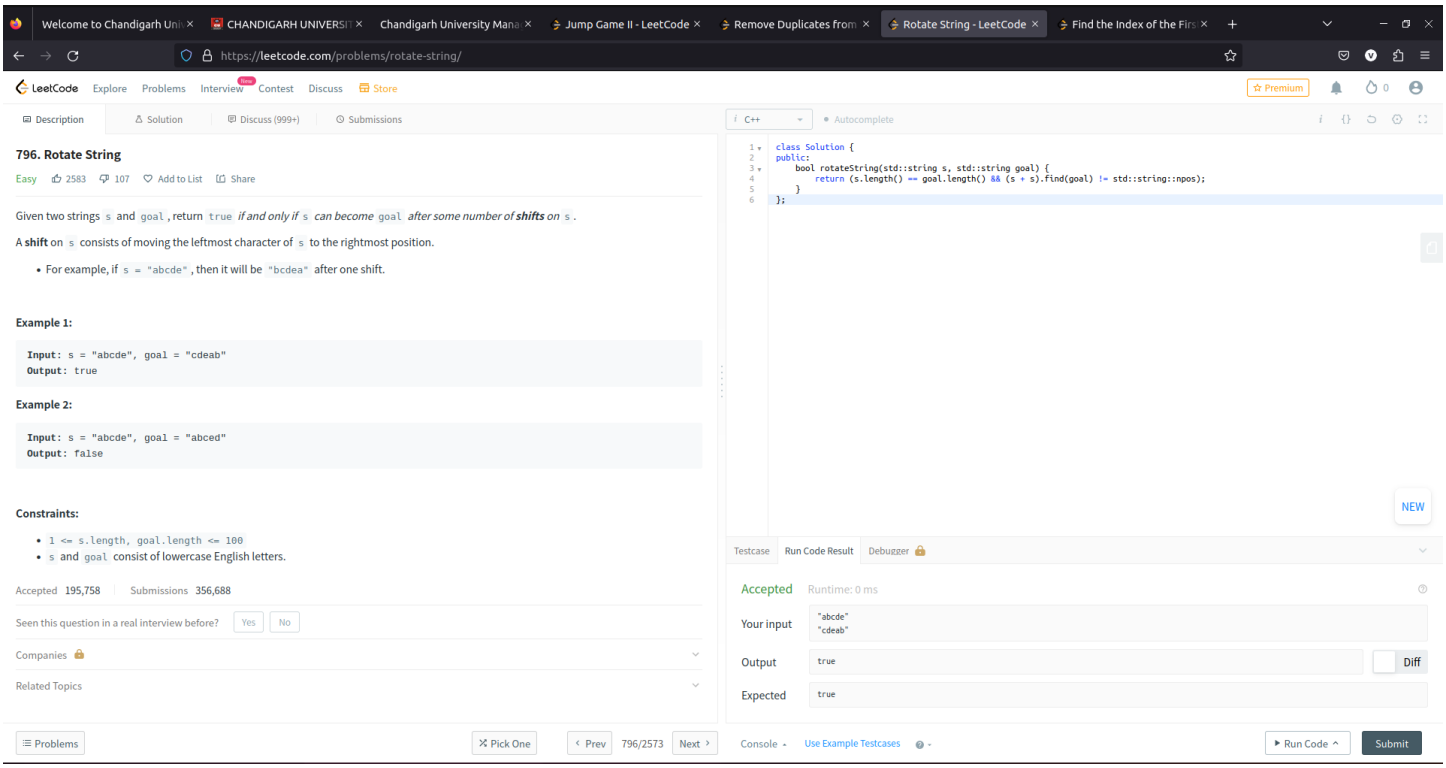
2. **Apparatus / Simulator Used:**
   - Windows 7 or above
   - Google Chrome

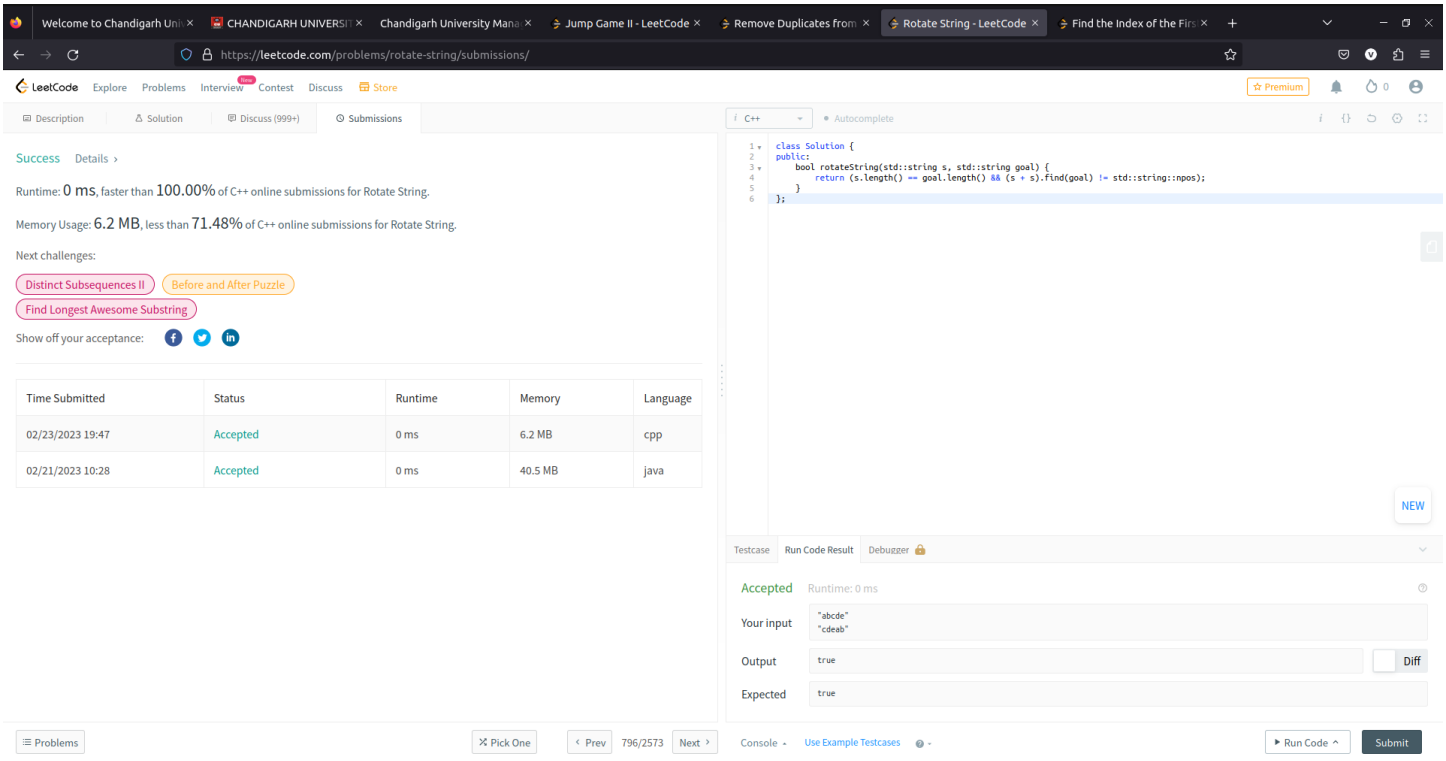
3. **Objective:**
   - To understand the concept of Rotation
   - To implement the concept of String.

4. **Code:**

```
class Solution {
public:
    bool rotateString(std::string s, std::string goal) {
        return (s.length() == goal.length() && (s + s).find(goal) != std::string::npos);
    }
};
```

5. Result/Output/Writing Summary:





Learning outcomes (What I have learnt):

- Learned the concept of String.
- Learnt about Array in Occurance and Rotation.

Evaluation Grid (To be created per the faculty's SOP and Assessment guidelines):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet completion including writing learning objectives/Outcomes. (To be submitted at the end of the day).		
2.	Post-Lab Quiz Result.		
3.	Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.		
	Signature of Faculty (with Date):	Total Marks Obtained:	