Experiment No. - 2

Student Name: Vivek Kumar **UID: 21BCS8129**
Branch: BE-CSE(LEET) **Section/Group: 20BCS-ST-801/B**
Semester: 6th **Date of Performance: 21/02/2023**
Subject Name: Competitive coding - II **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:**
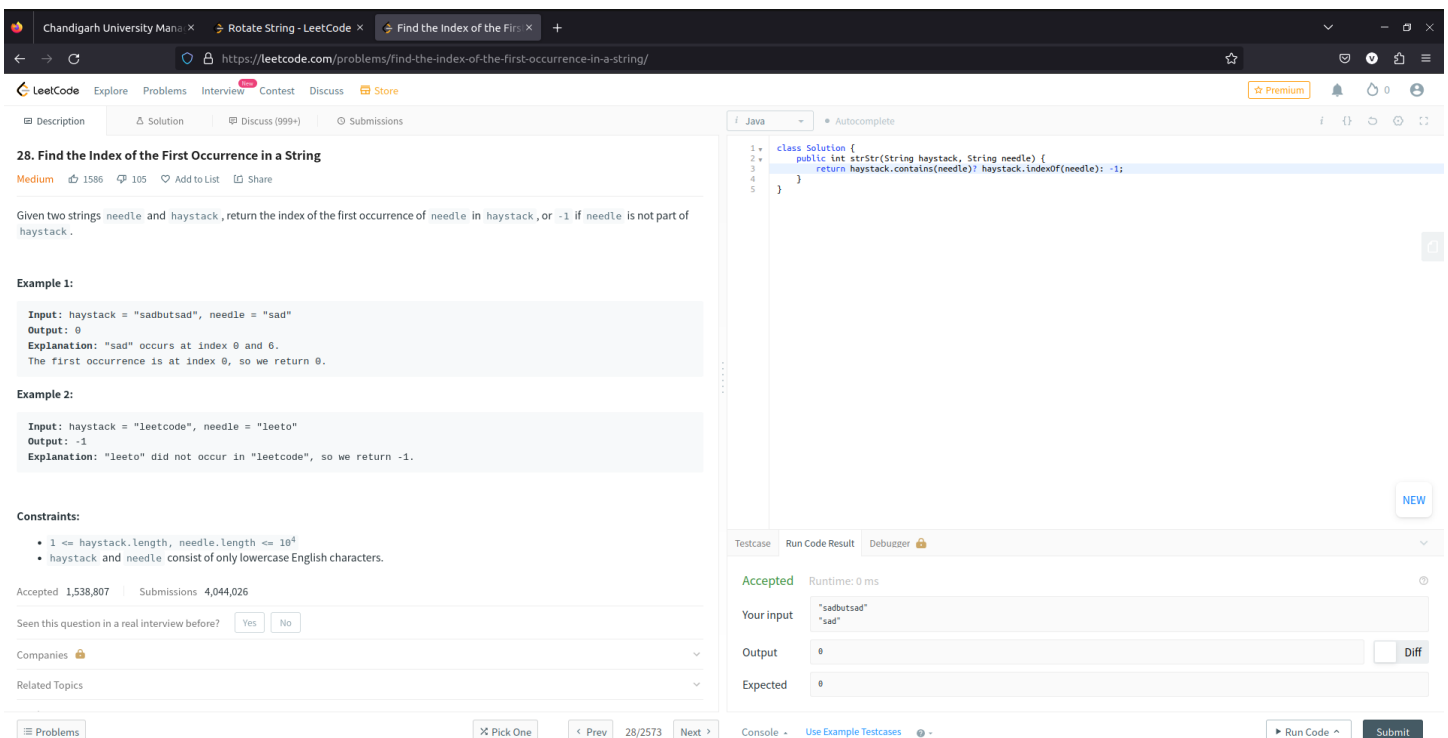   ● Windows 7 or above
   ● Google Chrome

3. **Objective:**
   ● To understand the concept of String
   ● To implement the concept of Occurance Count.
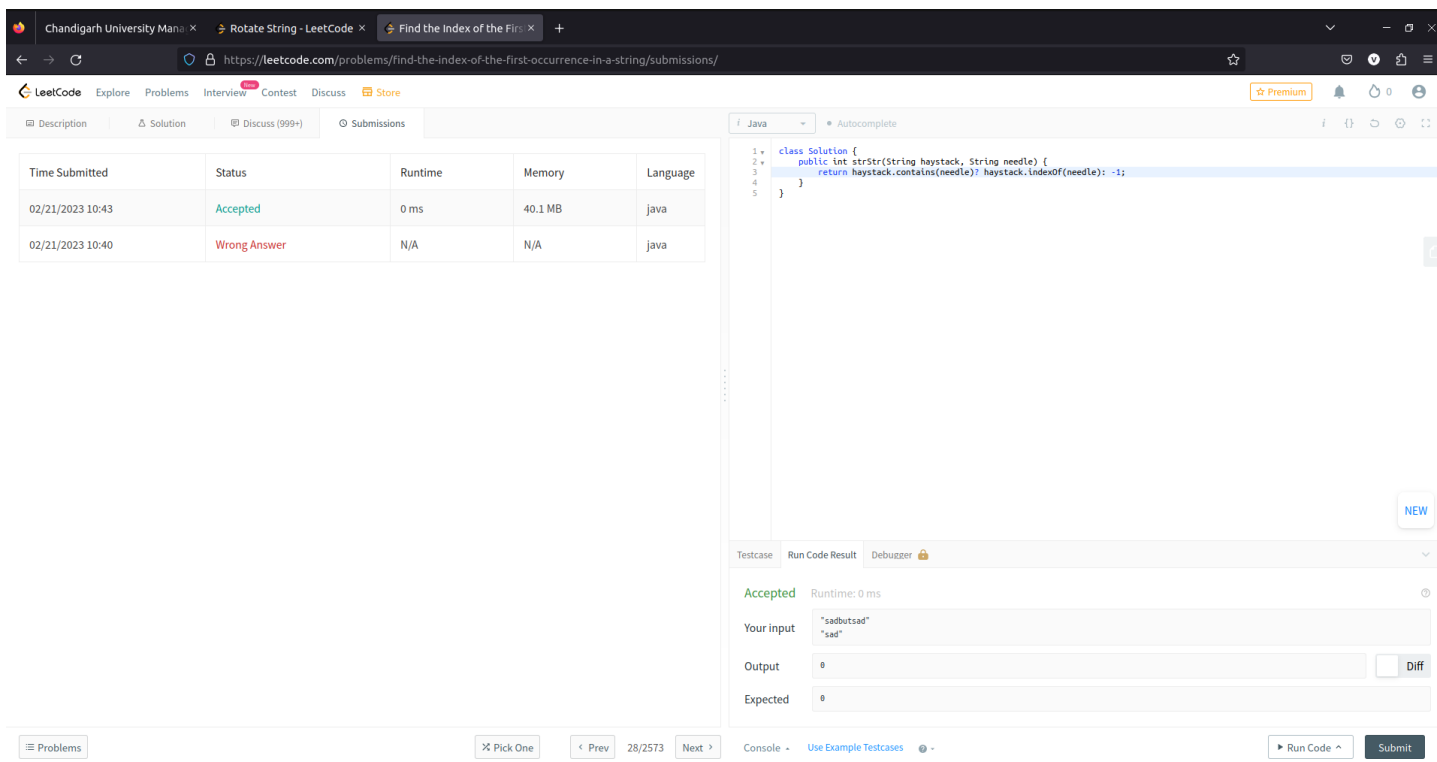
4. **Code:**

```java
class Solution {
    public int strStr(String haystack, String needle) {
        return haystack.contains(needle)? haystack.indexOf(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.
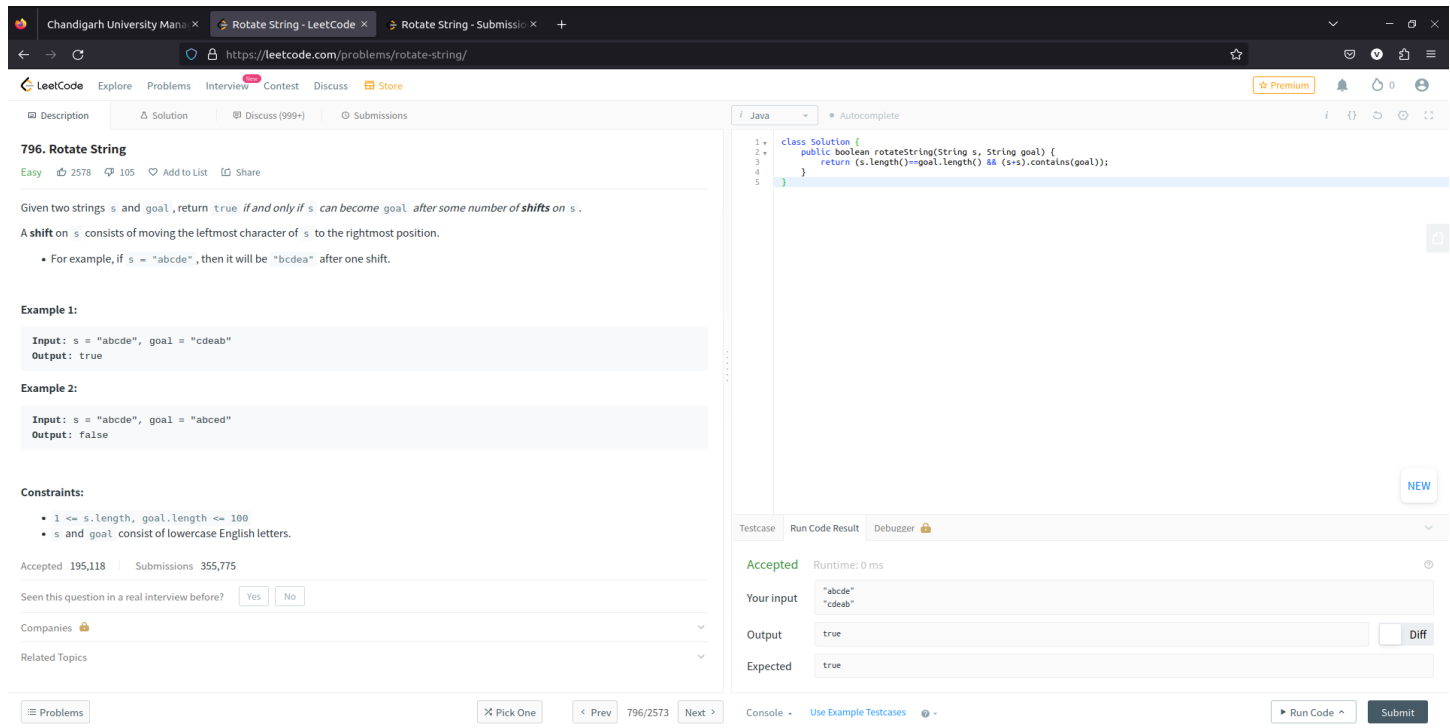
4. Code:

```
class Solution {
    public boolean rotateString(String s, String goal) {
        return (s.length()==goal.length() && (s+s).contains(goal));
    }
}
```

5. Result/Output/Writing Summary:
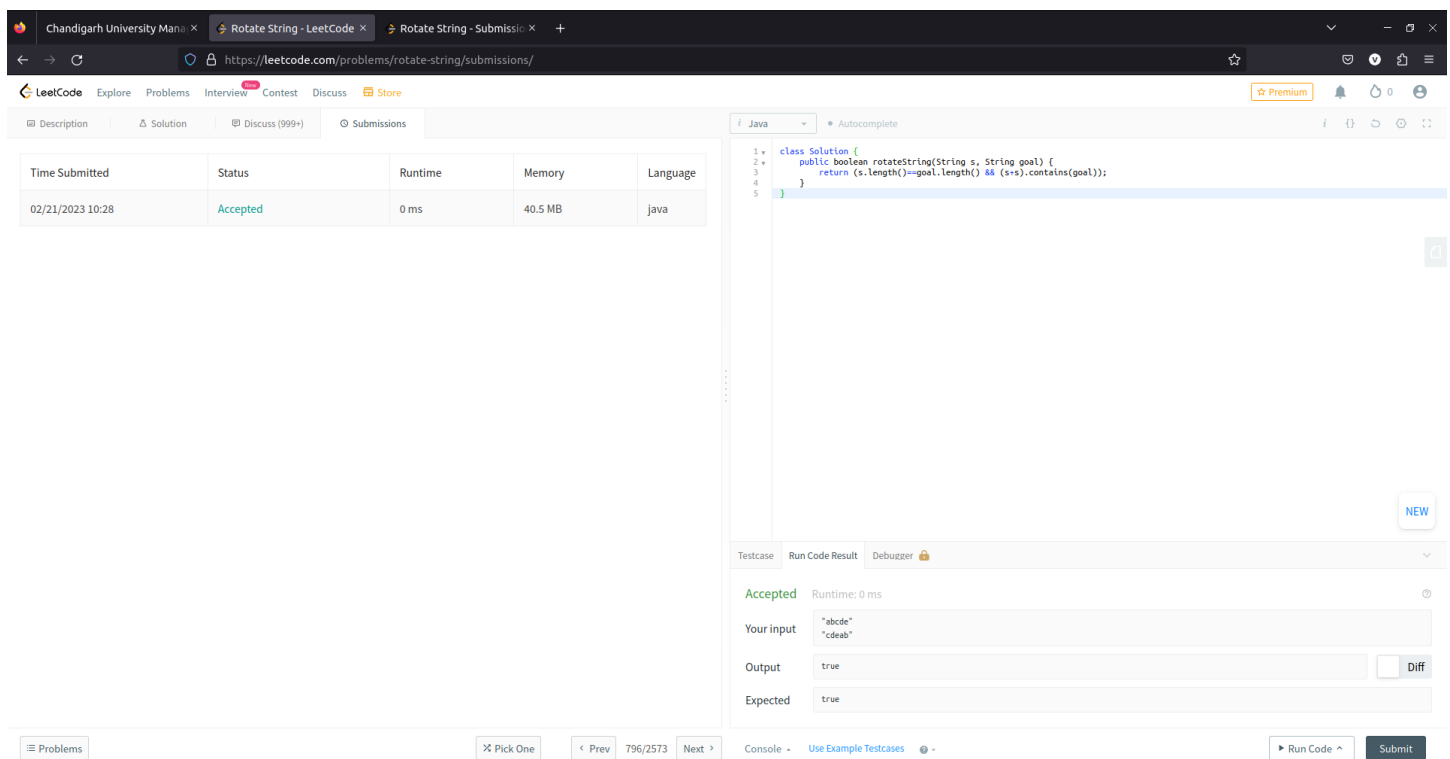
Learning outcomes (What I have learnt):

- 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:	