**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/

1. **Apparatus / Simulator Used:**

* Windows 7 or above
* Google Chrome

1. **Objective:**
   * To understand the concept of String
   * To implement the concept of Occurance Count.

**4. Code:**

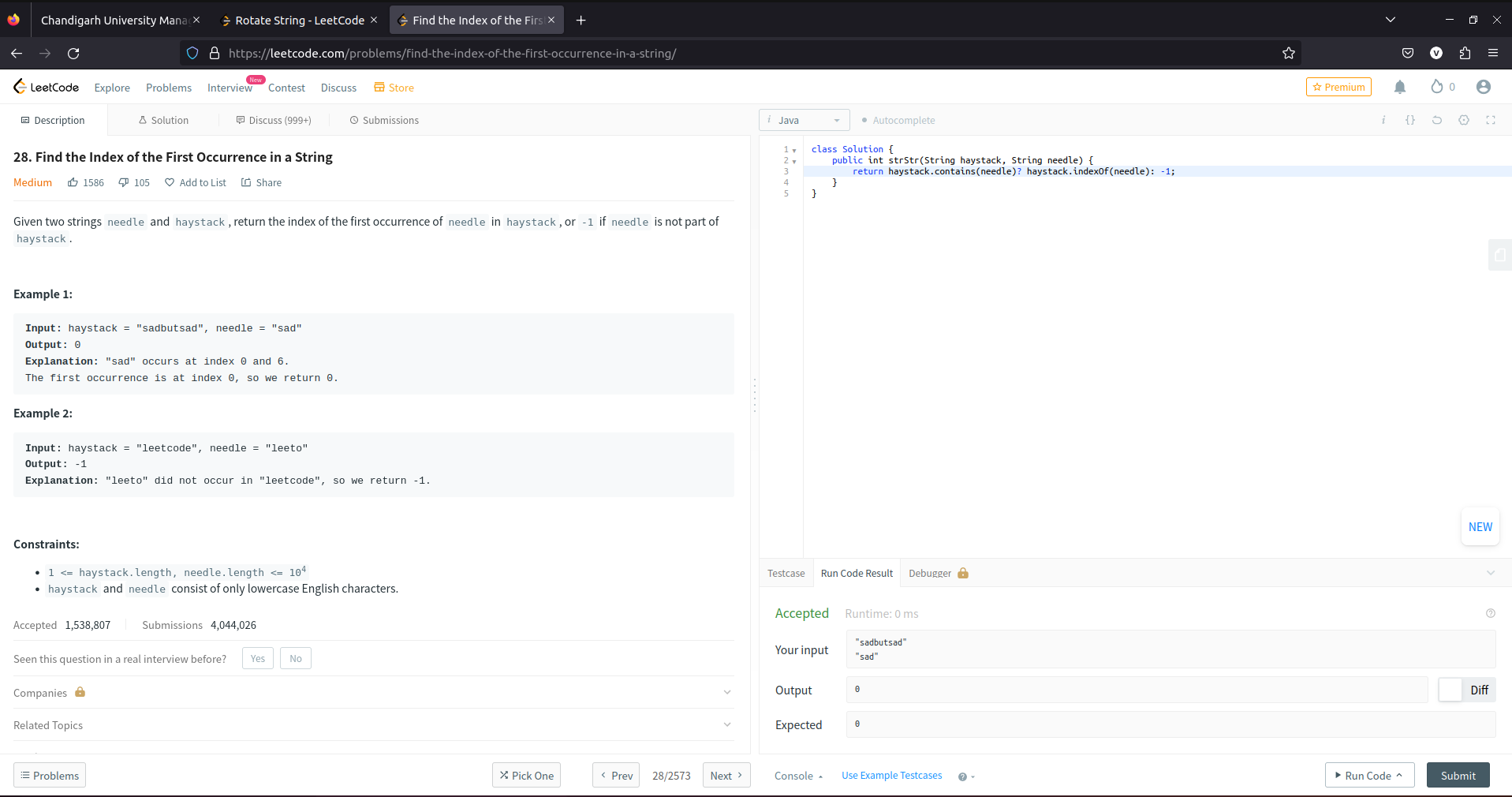
class Solution {

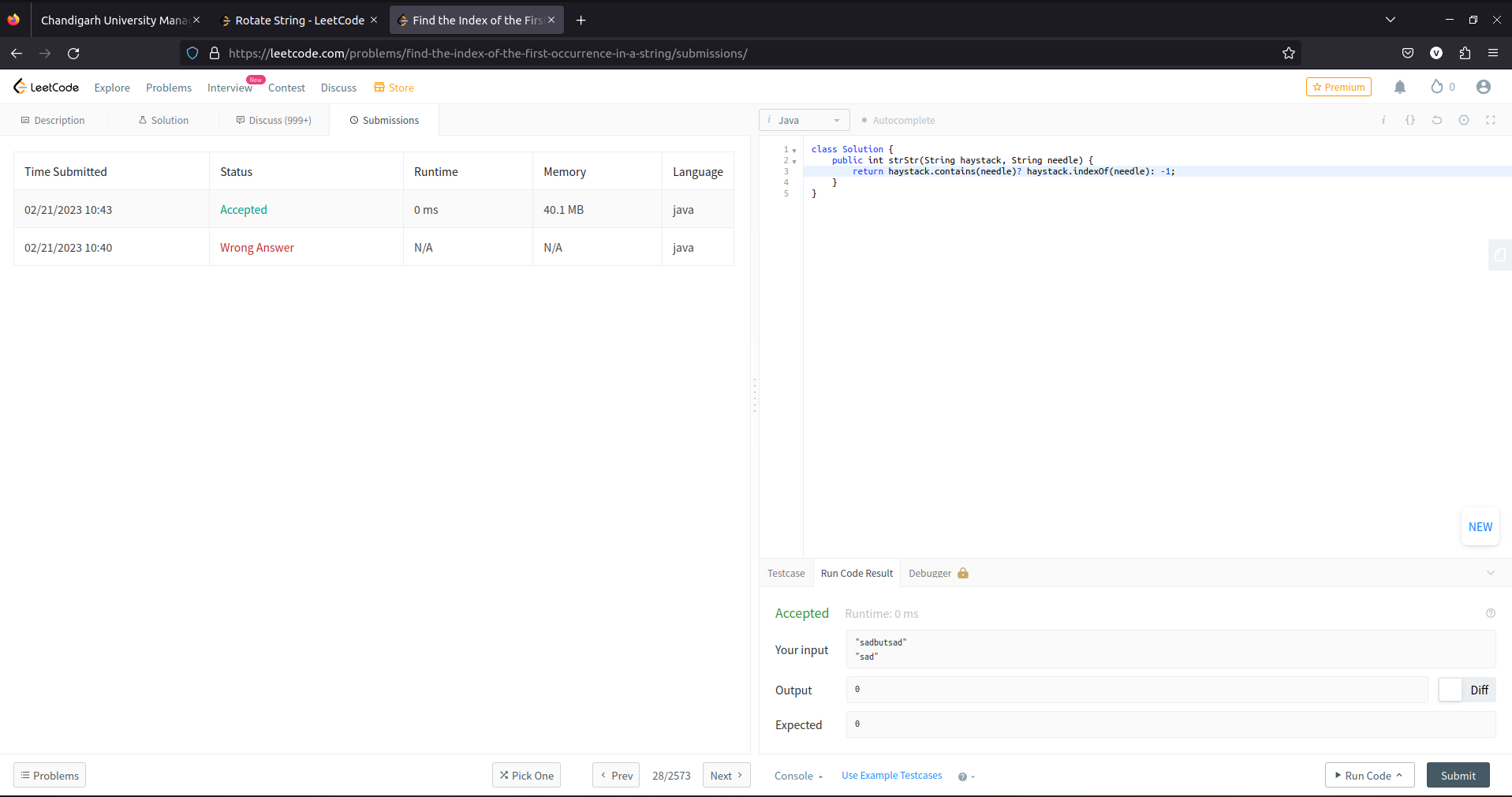
public int strStr(String haystack, String needle) {

return haystack.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/

1. **Apparatus / Simulator Used:**

* Windows 7 or above
* Google Chrome

1. **Objective:**
   * To understand the concept of Rotation
   * To implement the concept of String.
2. **Code:**

class Solution {

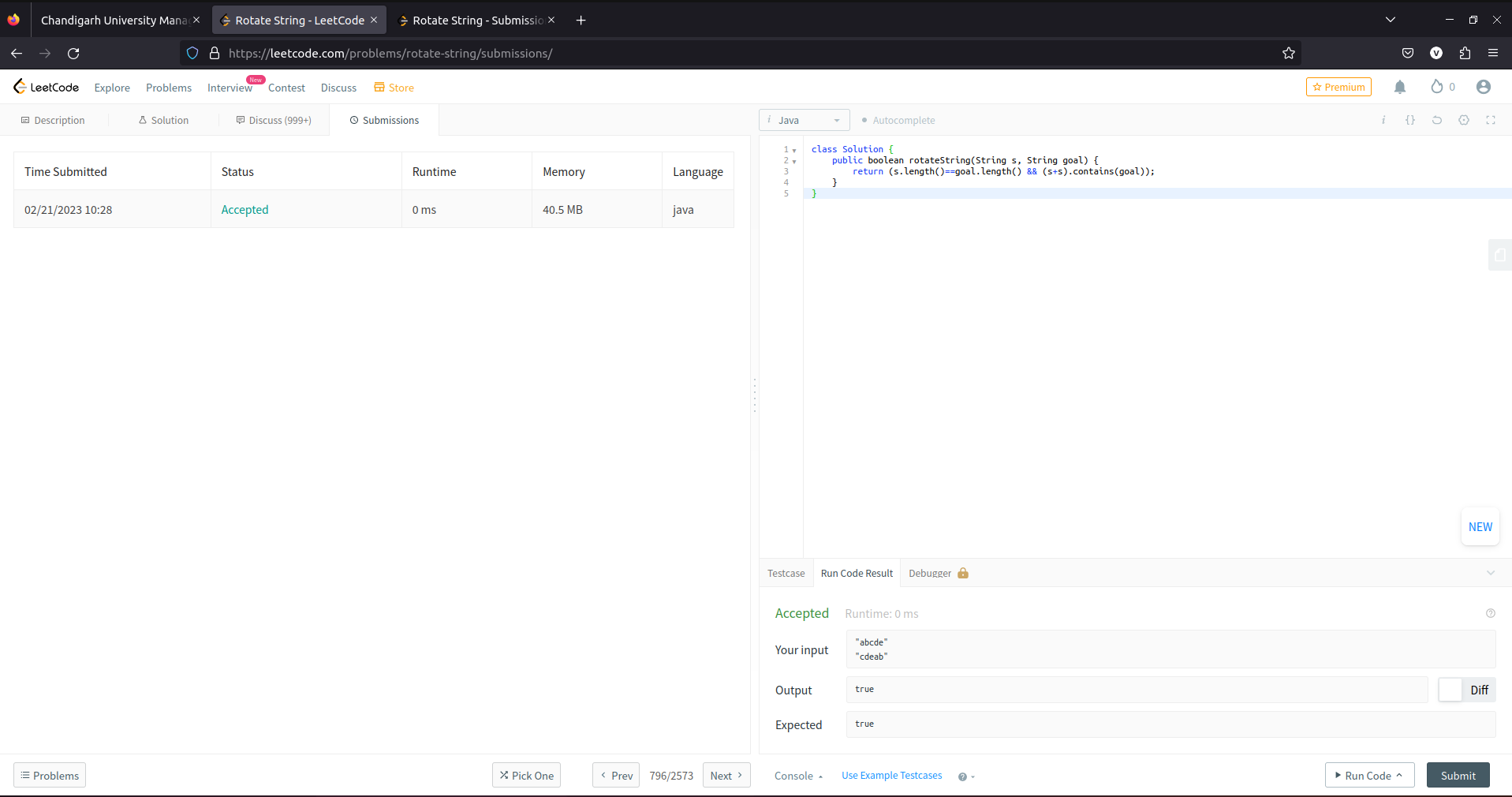
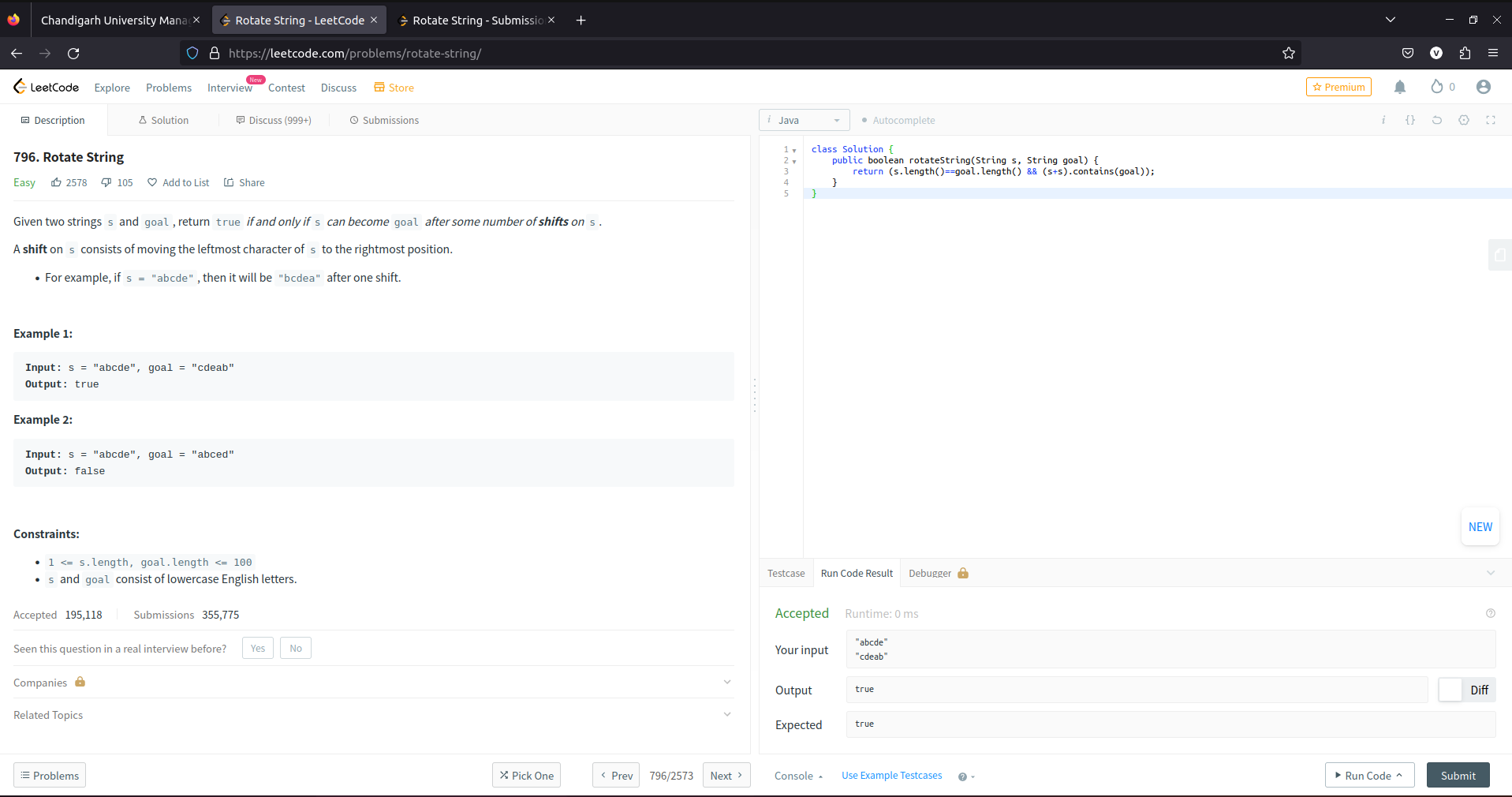
public boolean rotateString(String s, String goal) {

return (s.length()==goal.length() && (s+s).contains(goal));

}

}

1. **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: |  |