DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

CHANDIGARH UNIVERSITY

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UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

Subject Name:

Subject Code: 20CSP351

Submitted to:

Er. Vipasha Sharma

Submitted by:

Name: Kanishk Soni

UID: 20BCS9398

Section: 20BCS_DM_708

Group: B

INDEX

Ex. No	List of Experiments	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Remarks/Signature
1.1	Arrays, Queues, Stack and Linked List					
1.2	String-Matching algorithms					
1.3						
2.1						
2.2						
2.3						
2.4						
3.1						
3.2						
3.3						

Experiment-1.2

Student Name: Kanishk Soni
Branch: BE-CSE
Semester: 6th
Subject Name: Competitive Coding-II

UID: 20BCS9398
Section/Group:20BCS-DM_708B
Date of Performance: 23-02-2023
Subject Code: 20CSP-351

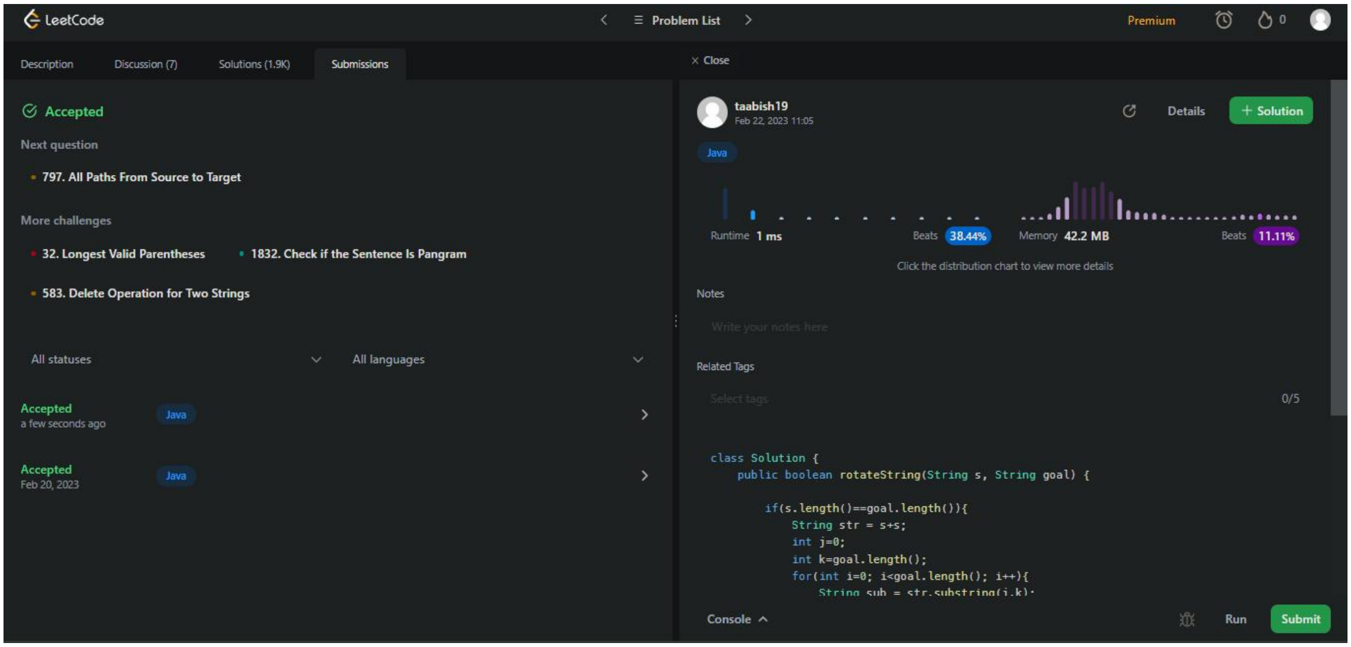
AIM: To demonstrate the concept of String-Matching algorithms

Problem1: Rotate string
https://leetcode.com/problems/rotate-string/

Program Code:

```
class Solution {
    public boolean rotateString(String s, String goal) {
        
        if(s.length()==goal.length()){
            String str = s+s;
            int j=0;
            int k=goal.length();
            for(int i=0; i<goal.length(); i++){
                String sub = str.substring(j,k);
                if(sub.equals(goal))
                    return true;
                j++;
                k++;
            }
        }
        else{
            return false;
        }
        return false;
    }
}
```

Output:



Accepted

Next question

- 797. All Paths From Source to Target

More challenges

- 32. Longest Valid Parentheses
- 1832. Check if the Sentence Is Pangram
- 583. Delete Operation for Two Strings

Accepted
a few seconds ago
Java

Accepted
Feb 20, 2023
Java

taabish19
Feb 22, 2023 11:05

Java

Runtime 1 ms Beats 38.44% Memory 42.2 MB Beats 11.11%

Click the distribution chart to view more details

Notes

Related Tags

```
class Solution {
    public boolean rotateString(String s, String goal) {

        if(s.length()==goal.length()){
            String str = s+s;
            int j=0;
            int k=goal.length();
            for(int i=0; i<goal.length(); i++){
                String sub = str.substring(i,k);
```

Probem2: Repeated string match
https://leetcode.com/problems/repeated-string-match/

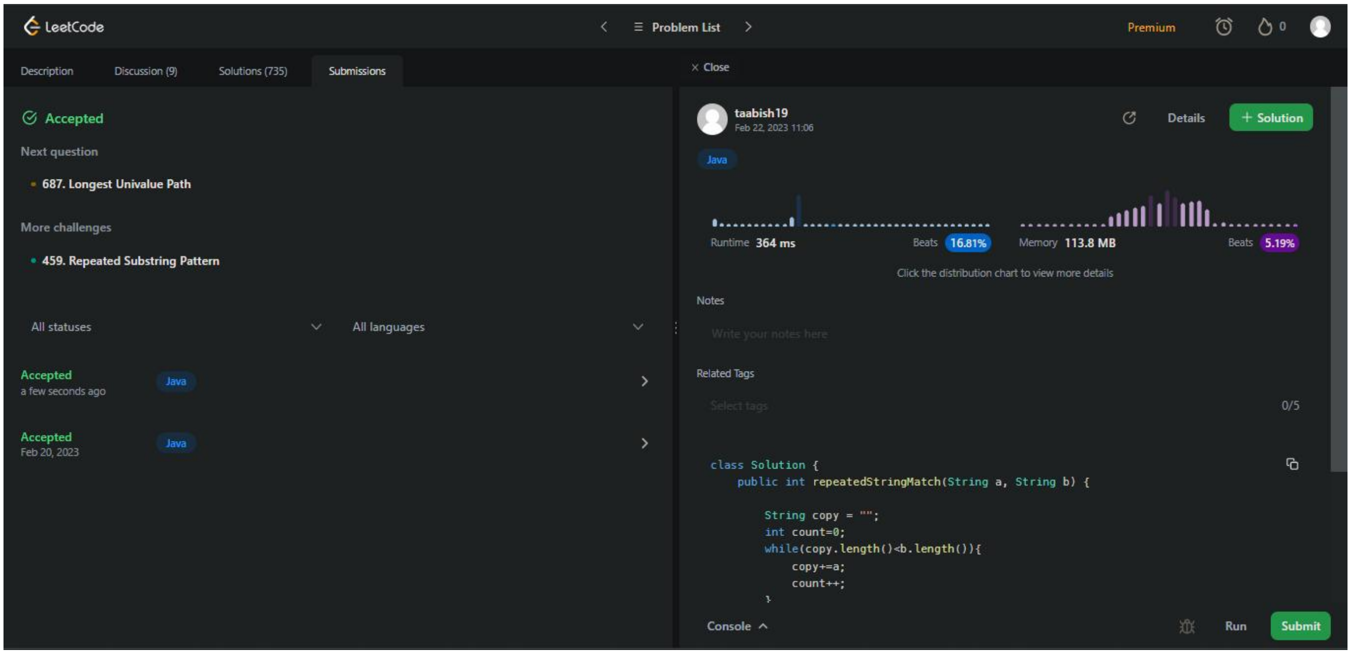
Program Code:

```
class Solution {
    public int repeatedStringMatch(String a, String b) {


        String copy = "";
        int count=0;
        while(copy.length()<b.length()){
            copy+=a;
            count++;
        }
        if(copy.indexOf(b)>=0)
            return count;
        if((copy+a).indexOf(b)>=0)
```

```
            return ++count;
        return -1;
    }
}
```

Output:



Accepted

Next question

- 687. Longest Univalue Path

More challenges

- 459. Repeated Substring Pattern

All statuses — All languages

Accepted — a few seconds ago — Java

Accepted — Feb 20, 2023 — Java

taabish19
Feb 22, 2023 11:06

Runtime 364 ms — Beats 16.81%

Memory 113.8 MB — Beats 5.19%

Click the distribution chart to view more details

```
class Solution {
    public int repeatedStringMatch(String a, String b) {

        String copy = "";
        int count=0;
        while(copy.length()<b.length()){
            copy+=a;
            count++;
        }
```