

Experiment-2

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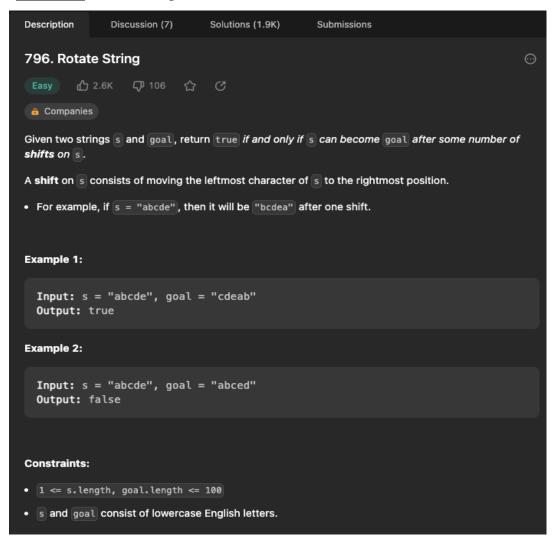
Branch: CSE Section/Group: 902/A

Semester: 6th Date of Performance: 16-02-2023

Subject Name: Competitive Coding II Subject Code: 20CSP-351

Aim: To demonstrate the concept of String Matching algorithms.

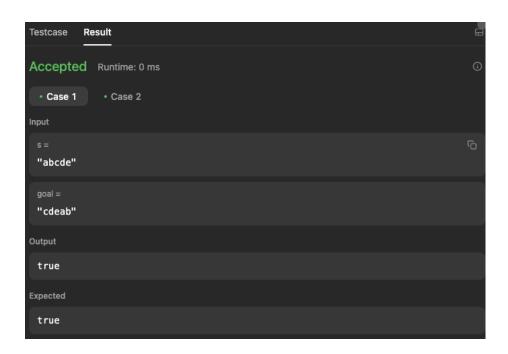
Problem1: Rotate String



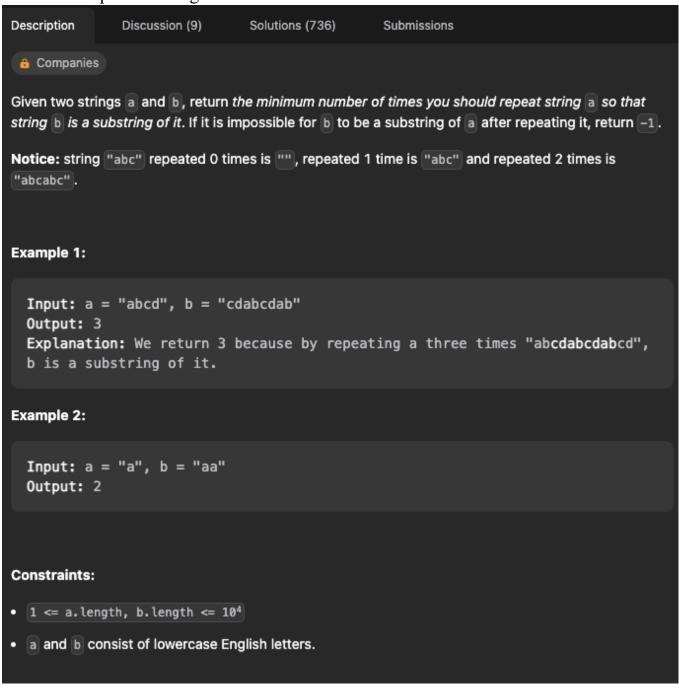
Code:-

```
class Solution {
  public boolean rotateString(String s, String goal) {
    String s1 = s.concat(s);
    if(s1.contains(goal) && s.length()==goal.length()) return true;
    return false;
  }
}
```

Output:-



Probem2: Repeated String match



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:-

