Experiment1.2

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

1. Aim:

To implement the concept of string manipulation.

2. Objective:

- The objective is to build problem solving capability and to learn the basic concepts of data structures.
- The implementation of rotate string which shows and brushes up the concept of strings and can be solved through various approaches.
- The implementation of repeated string matching in which the concept of npos was introduced.

3. LeetCode code and output:

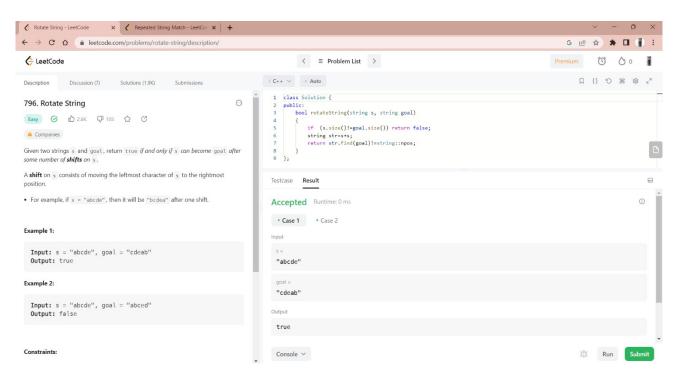
ROTATE STRING

```
class Solution {
public:
   bool rotateString(string s, string goal)
   {
     if (s.size()!=goal.size()) return false;
     string str=s+s;
     return str.find(goal)!=string::npos;
   }
};
```

OUTPUT:

}:

Discover. Learn. Empower.



REPEATED STRING MATCHING

```
class Solution {
public:
    int repeatedStringMatch(string a, string b) {
        string ans=a;
        while (a.length() < b.length())
        {
            a+=ans;
        }
        if (a.find(b)!=string::npos) return a.length() / ans.length();
        a+=ans;
        if (a.find(b)!=string::npos) return a.length() / ans.length();
        a+=ans;
        if (a.find(b)!=string::npos) return a.length() / ans.length();
        return -1;
    }</pre>
```

OUTPUT:

