CP Club 365Days Challenge

Programming language – Any language

Problem Statement

https://practice.geeksforgeeks.org/problems/isomorphic-strings-1587115620/1?page=1&difficulty[]=0&category[]=Strings&sortBy=submissions

Your Code:
Python

```python
def areIsomorphic(self,str1,str2):
    if len(str1) != len(str2):
        return False
    s = {}
    for i in range(len(str1)):
        if str1[i] in s and s[str1[i]] != str2[i]:
            return False
        elif str1[i] not in s and str2[i] in s.values():
            return False
        else: s[str1[i]] = str2[i]
    return True
```

C++
```cpp
bool areIsomorphic(string str1, string str2)
  {

    // Your code here
    map<char, char> s1, s2;
    for (int i = 0; i < str1.size(); I++) {
        if ((s1[str1[i]] && s1[str1[i]] != str2[i]) || (s2[str2[i]] && s2[str2[i]] != str1[i]))
```

```
    {
        return false;
    }
    s1[str1[i]] = str2[i];
    s2[str2[i]] = str1[i];
}
return true;
}
```

Output (Screen Shot):

Understanding about problem:

![Marwadi University logo]	**Marwadi University**
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	Department of Information and Communication Technology
Sem : 5	**Name :Pushti Depani**
Day : 60	**Date : 16/12/2022**	**Enrollment No: 92000133018**

In this problem if the two strings are called isomorphic if there is a one to one mapping possible for every character of str1 to every character of str2 while preserving the order. And if the strings are not equal then return false or else enter the loop.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST
Team CP Club