

Unmatched Substring Pairs

Difficulty: Easy

Question: Given two strings of equal length, find all pairs of unmatched substring of the two strings.

Example 1:

Input: str1 = "abccdefghjklmn",
 str2 = "abdecefgghdfllmn"

Output: ccd, dec
 jk, df

Explanation: The unmatched substring pairs are as follows:

str1="abccdefghjklmn",
str2="abdecefgghdfllmn"

Example 2:

Input: str1 = "abkdefgl";
 str2 = "ackijfguv";

Output: b, c
 de, ij
 ls, uv

Explanation: The unmatched substring pairs are as follows:

string s1 = "abkdefgl";
string s2 = "ackijfguv";

(Code given below! Try on your own before viewing the code)

Solution : (C++)

```
#include<bits/stdc++.h>
using namespace std;
int main(){

    string s1 = "abkdefgl";
    string s2 = "ackijfguv";
    int start=-1, end=0;

    for(int i=0; i<s1.length(); ++i){

        if(s1[i-1] == s2[i-1] && s1[i] != s2[i]){
            start = i;
        }

        else if(s1[i] == s2[i] && start != -1){
            end = i;

            cout<<s1.substr(start, end-start)<<"",
"<<s2.substr(start, end-start)<<endl;

            start = -1;
        }
    }

    if(start != -1){
        cout<<s1.substr(start, end-start)<<"", "<<s2.substr(start,
end-start)<<endl;

    }

}
```