

Follow me for more interesting programming questions and RAW Code of this Challenge:

<https://www.github.com/shubhamthrills> <https://www.linkedin.com/in/shubhamsagar>

Subscribe our YouTube Channel for more videos: <https://www.youtube.com/channel/UCjLMu9mayAibQST1eWwq0cg>

Leetcode May Challenge DAY: 03

Concept: Count the frequency of each character in both the strings. If the ransom string has frequency of any character greater than that present in the magazine, then return false, else return true at the end.

1. Python [Dict. Approach]

class Solution:

```
def canConstruct(self, ransomNote: str, magazine: str) -> bool:
```

```
    d=dict()
```

```
    for item in magazine:
```

```
        if item not in d:
```

```
            d[item]=1
```

```
        else:
```

```
            d[item]+=1
```

```
    for item in ransomNote:
```

```
        if item in d:
```

```
            if d[item]==0:
```

```
                return False
```

```
            d[item]-=1
```

```
        else:
```

```
            return False
```

```
    return True
```

Follow me for more interesting programming questions and RAW Code of this Challenge:

<https://www.github.com/shubhamthrills> <https://www.linkedin.com/in/shubhamsagar>

Subscribe our YouTube Channel for more videos: <https://www.youtube.com/channel/UCjLMu9mayAibQST1eWwq0cg>

2. C++ [Hash Map]

```
class Solution {  
public:  
    bool canConstruct(string ransomNote, string magazine) {  
        int count = 0;  
        unordered_map<char, int> mp;  
  
        for (int i = 0; i < magazine.size(); i++) {  
            mp[magazine[i]]++;  
        }  
  
        for (int i = 0; i < ransomNote.size(); i++) {  
            if (mp[ransomNote[i]] != 0) {  
                mp[ransomNote[i]]--;  
                count++;  
            }  
        }  
  
        if (count == ransomNote.size())  
            return true;  
        return false;  
    }  
};
```

Follow me for more interesting programming questions and RAW Code of this Challenge:

<https://www.github.com/shubhamthrills> <https://www.linkedin.com/in/shubhamsagar>

Subscribe our YouTube Channel for more videos: <https://www.youtube.com/channel/UCJLMu9mayAibQST1eWwq0cg>

3. JAVA

```
class Solution {  
    public boolean canConstruct(String ransomNote, String magazine) {  
        int arr[]=new int [26];  
        for(char c:magazine.toCharArray())  
            arr[c-'a']++;  
        for(char c:ransomNote.toCharArray())  
            if(--arr[c-'a']<0)  
                return false;  
        return true;  
    }  
}
```