

Ransom Note

Try to solve the Ransom Note problem.

We'll cover the following

- Statement
- Examples
- Understanding the problem
- Figure it out!
- Try it yourself

Statement

Given two strings, “ransom note” and “magazine”, check if the ransom note can be constructed using the letters from the magazine string. Return TRUE if a ransom note can be constructed. Otherwise, return FALSE.

Note: Each letter in the magazine string can only be used once to construct the ransom note.

Constraints:

- The ransom note and magazine length are between 1 and 10^5 .
- The ransom note and magazine consist of lowercase English letters.

Examples

Sample example 1

Input

Ransom note	"baad"
-------------	--------

Magazine	"abcd"
----------	--------

Output

FALSE

1 of 4

Sample example 2

Input

Ransom note	"bad"
-------------	-------

Magazine	"abcd"
----------	--------

Output

TRUE



Sample example 3**Input**

Ransom note	"code"
-------------	--------

Magazine	"abcodf"
----------	----------

Output

FALSE

Sample example 4**Input**

Ransom note	"program"
-------------	-----------

Magazine	"rpgoarm"
----------	-----------

Output

TRUE



Understanding the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps us to check if you're solving the correct problem:

Ransom Note

1

For the following strings, can we generate the ransom note using the letters from the magazine string?

ransom note = "codinginterviewquestions"

magazine = "aboincsdefoetingvqtniewonoregessnutins"

A) Yes

B) No

Submit Answer



Question 1 of 4
0 attempted



Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.

Note: As an additional challenge, we have intentionally hidden the solution to this puzzle.



Drag and drop the cards to rearrange them in the correct sequence.

Iterate the ransom note string.

Keep the count of every unique character in the hash map.

Fill the hash map using the magazine string.

If we find the character in the hash map with no 0 count, we decrement the character count in the hash map.

Check if the count of the character is not 0 in the hash map. If 0, return FALSE.

Check if the character is present in the hash map. If the character is not present, return FALSE.

Reset

Submit

Try it yourself

Implement your solution in the following coding playground.

Note: We have left the solution to this challenge as an exercise for you. You may try to translate the logic of the solved puzzle into a coded solution.





```
1 import java.util.*;
2 public class Main{
3     public static boolean canConstruct(String ransomnote, String magazine) {
4
5         // Your code will replace the placeholder return statement.
6
7         return false;
8     }
9 }
```

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Test Cases Results

Case 1

Case 2

Case 3

Input #1

"codinginterviewquestions"

Input #2

"aboincsdefoetingvqtniewonoregessnutins"

Ransom Note

[← Back](#)

[Next →](#)

Solution: Find All Ana...

Union Find: Introduction

☒ Mark as Completed

