884. Uncommon Words From Two Sentences

Easy

Topics

Companies

A **sentence** is a string of single-space separated words where each word consists only of lowercase letters.

A word is **uncommon** if it appears exactly once in one of the sentences, and **does not appear** in the other sentence.

Given two **sentences** `s1` and `s2`, return *a list of all the **uncommon words***. You may return the answer in **any order**.

Example 1:

Input: s1 = "this apple is sweet", s2 = "this apple is sour"

Output: ["sweet","sour"]

Explanation:

The word `"sweet"` appears only in `s1`, while the word `"sour"` appears only in `s2`.

Example 2:

Input: s1 = "apple apple", s2 = "banana"

Output: ["banana"]

Constraints:

- `1 <= s1.length, s2.length <= 200`
- `s1` and `s2` consist of lowercase English letters and spaces.
- `s1` and `s2` do not have leading or trailing spaces.
- All the words in `s1` and `s2` are separated by a single space.

Solution:

```
class Solution {

    public String[] uncommonFromSentences(String s1, String s2) {
        List<String> output = new ArrayList<>();
```

```java
        HashMap<String, Integer> map = new HashMap<>();
        String s1Str[] = s1.split(" ");
        for(String word: s1Str) {
            map.put(word, map.getOrDefault(word, 0) + 1);
        }

        String s2Str[] = s2.split(" ");
        for (String word : s2Str) {
            map.put(word, map.getOrDefault(word, 0) + 1);
        }

        for (String word : map.keySet()) {
            if (map.get(word) == 1) {
                output.add(word);
            }
        }
        return output.toArray(new String[0]);

    }

}
```