Problem Challenge 4

Words Concatenation (hard)

Given a string and a list of words, find all the starting indices of substrings in the given string that are a **concatenation of all the given words** exactly once **without any overlapping** of words. It is given that all words are of the same length.

Example 1:

```
Input: String="catfoxcat", Words=["cat", "fox"]
Output: [0, 3]
Explanation: The two substring containing both the words are "catfox" & "foxcat".
```

Example 2:

```
Input: String="catcatfoxfox", Words=["cat", "fox"]
Output: [3]
Explanation: The only substring containing both the words is "catfox".
```

Try it yourself

Try solving this question here:

Java | Python3 | JS | C++

```
using namespace std;

#include <iostream>
#include <string>
#include <unordered_map>
#include <vector>

class WordConcatenation {
 public:
  static vector<int> findWordConcatenation(const string &str, const vector<string> &words) {
    vector<int> resultIndices;
    // TODO: Write your code here
    return resultIndices;
  }
};

```