

Challenge: Finding the Right Words

In this exercise, you need to figure out how to find the right words in a String according to the given conditions.

We'll cover the following ^

- Problem statement
- Coding exercise

Problem statement

Sometimes we can never find the right words to say. At other times, you find too many words, and you have to find the right phrase. That is exactly what we will do in this challenge. We will take a garbled set of sentences and extract what we want from that set.

It's time to get started! You're going to be working with a string of text that contains several sentences. Your task is to find specific words or phrases within those sentences. For example, if the string is "The quick brown fox jumps over the lazy dog.", you might want to extract the word "fox".

Let's break down the challenge:

- Input:** A single string containing multiple sentences separated by punctuation (periods, commas, etc.).
- Output:** A list of words or phrases extracted from the input string based on specific criteria.
- Criteria:** You will be given a list of words or phrases to extract. These could be individual words like "fox", or more complex phrases like "lazy dog".

For instance, if the input string is "The quick brown fox jumps over the lazy dog." and the words to extract are ["fox", "dog"], the output should be ["fox", "dog"].

Remember, the input string may contain punctuation and capitalization that you need to account for when extracting the words.

Coding exercise

This challenge will test your understanding of all *String* knowledge that you have learned. The following steps must be done in that order and on the result from the previous step.

1- Remove all the spaces from the given string.

2- Take the result of step 1 and extract all characters between index `0` and `5` inclusive.

3- Take the result of step 2 and convert all letters to uppercase

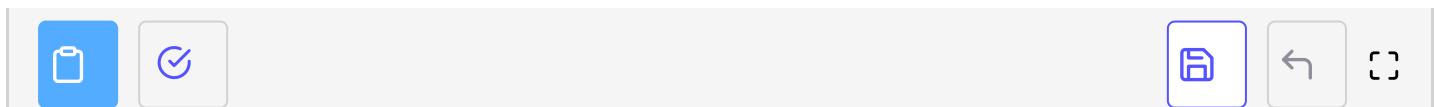
Only write the code where instructed in the snippet below. You need to store your final result in the variable `answer`. The **return** statement and the **variable** to be returned are already mentioned for you. Don't worry too much about the return statement for the moment, and just set the value of the `answer` correctly.

Test your code against our cases, and see if you can pass them.

The solution is given in case you get stuck, and the next lesson will include a review of the solution, but it is highly recommended that you try it yourself first!

Good Luck!

```
class Stringchallenge {  
    public static String sc(String text) {  
  
        String answer = "";  
        // Enter your code here  
        // Store your final result in the variable answer  
  
        /* You do not need to worry too much about the return statement for the  
        moment and just set the value of "answer" correctly*/  
        return answer;  
    }  
}
```



In the next lesson, we will see the solution review of this challenge.

