

Problem Challenge 3

We'll cover the following

- Smallest Window containing Substring (hard)
- Try it yourself

Smallest Window containing Substring (hard)

Given a string and a pattern, find the **smallest substring** in the given string which has **all the characters of the given pattern**.

Example 1:

```
Input: String="aabdec", Pattern="abc"
Output: "abdec"
Explanation: The smallest substring having all characters of the pattern is "abdec"
```

Example 2:


```
Input: String="abdbca", Pattern="abc"
Output: "bca"
Explanation: The smallest substring having all characters of the pattern is "bca".
```


Example 3:


```
Input: String="adcad", Pattern="abc"
Output: ""
Explanation: No substring in the given string has all characters of the pattern.
```

Try it yourself

Try solving this question here:

 Java

 Python3

 JS


 C++

```
1 import java.util.*;
2
3 class MinimumWindowSubstring {
4     public static String findSubstring(String str, String pattern) {
5         // TODO: Write your code here
6         return "";
7     }
8 }
9
```

Test

Save

Reset





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 Completed

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