

You are expected to write a function to identify the set of possible words.

The function ${\bf identifyPossibleWords}$ takes two strings as input

where,

input1 contains the incomplete word, and

input2 is the string containing a set of words separated by colons.

The function is expected to find all the possible words from **input2** that can replace the incomplete word **input1**, and return the result in the format suggested below.

Example1 -

input1 = "Fi_er"

input2 = "Fever:filen:Filten:Fixen:fiber:fibre:tailon:offer"
output string should be returned as "FILER:FIXER:FIBER"

Note that -

- The output string should contain the set of all possible words that can replace the incomplete word in input1
- · all words in the output string should be stored in UPPER-CASE
- all words in the output string should appear in the order in which they appeared in input2, i.e. in the above example we have FILER followed by FIXER followed by FIBER.
- While searching for input1 in input2, the case of the letters are ignored, i.e "Fi_er" matches with "filer" as
 well as "Fixer" as well as "fiber".
- IMPORTANT: If none of the words in input2 are possible candidates to replace input1, the output string should contain the string "ERROR-009"

Assumption(s):

- Input1 will contain only a single word with only 1 character replaced by an underscore " "
- Innut2 will contain a series of words senarated by colons and NO snace character in between

Attempted: 1/1 ΙΔ\/Δ7 ▼ Compiler: Java - 1.7 50 (</>> import java.io.*; import java.util.*; // Read only region start class UserMainCode public String identifyPossibleWords(String input1,String input2){ // Read only region end 10 // Write code here.... 11 input1= input1.toUpperCase(); StringBuffer output = new StringBuffer(); 12 String[] words = input2.split(":"); 13 14 int underscoreIndex = input1.indexOf(' '): 15 for (int i = 0; i < words.length; i++) {</pre> 16 17 words[i] = words[i].toUpperCase(); 18 19 if (words[i].length() >= input1.length() && 20 input1.replace('_', words[i].charAt(underscoreIndex)).equals(words[i])) { output.append(words[i]).append(":"); 21 22 23 24 if (output.length() == 0) return "ERROR-009"; 25 26 else return output.toString().substring(0, output.length() - 1); 27 28 ☐ Use Custom Input (i) Compile and Test Submit Code

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Identify possible words: Detective Bakshi while solving a case stumbled upon a letter which had many words whose one character was missing i.e. one character in the word was replaced by an underscore. For e.g. "Fi_er". He also found thin strips of paper which had a group of words separated by colons, for e.g.

"Fever:filer:Filter:Fixer:fiber:fiber:failor:offer". He could figure out that the word whose one character was missing was one of the possible words from the thin strips of paper. Detective Bakshi has approached you (a computer programmer) asking for help in identifying the possible words for each incomplete word.

You are expected to write a function to identify the set of possible words.

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input2 = "Fever:filer:Filter:Fixer:fiber:fibre:tailor:offer"

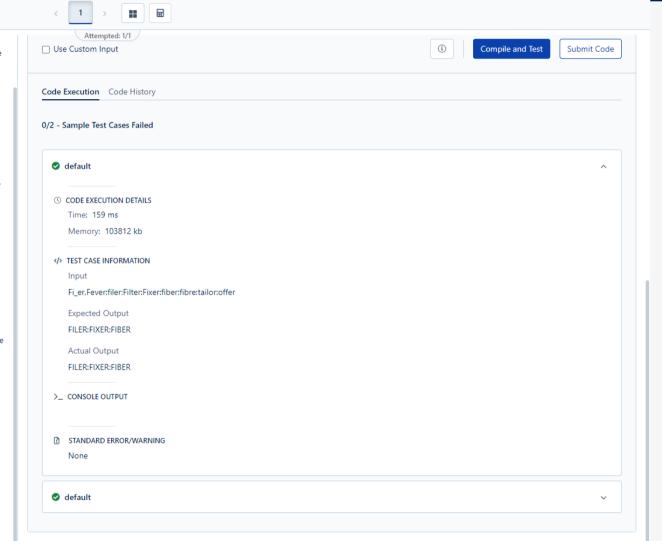
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Assumption(s):

- Input1 will contain only a single word with only 1 character replaced by an underscore "_"
- . Input2 will contain a series of words separated by colons and NO space character in between
- . Input2 will NOT contain any other special character other than underscore and alphabetic characters.









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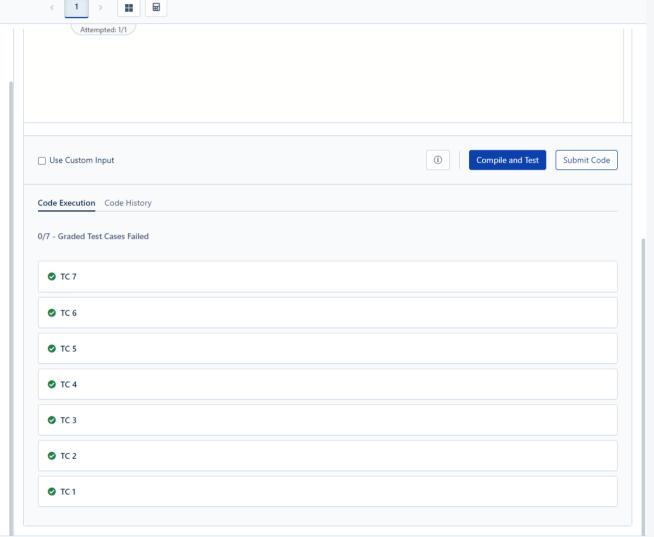
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