Output streams → Convert to char array

📶 Medium 🕓 5 minutes 🕐

Imagine that we have a typing machine that accepts only one letter at a time for writing, but we want to write an array of words instead.

```
public class LetterPrinter {
    public void write(char letter) {
        //implementation
    }
}
```

To adapt an input to the LetterPrinter we need to write a converter from String[] to char[] and pass letters one by one to LetterPrinter instance:

```
public void writeWords(String[] words) throws IOException {
    LetterPrinter printer = new LetterPrinter();

char[] letters = convert(words); // converting method
for (char letter : letters) {
    printer.write(letter);
}
```

Implement the convert method that converts String[] to char[].

Hint: use CharArrayWriter.

Example:

```
Input: ["This", " ", "is", " ", "a", " ", "test"]
Output: ["T", "h", "i", "s", " ", "i", "s", " ", "a", " ", "t", "e", "s", "t"]
```

Report a typo

HINT by **?** farmac <u>Viewed hints</u>

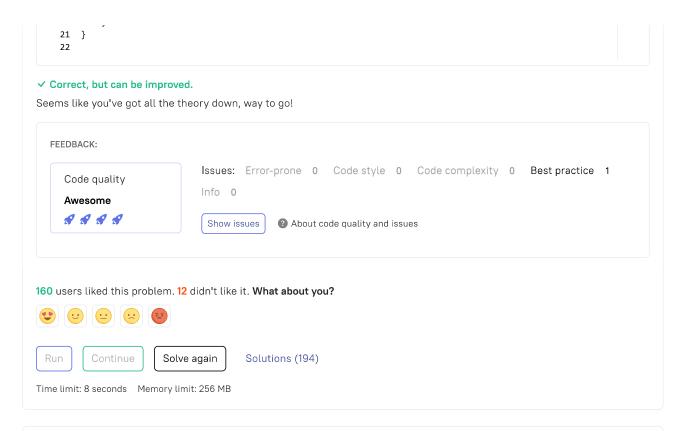
Use String.join

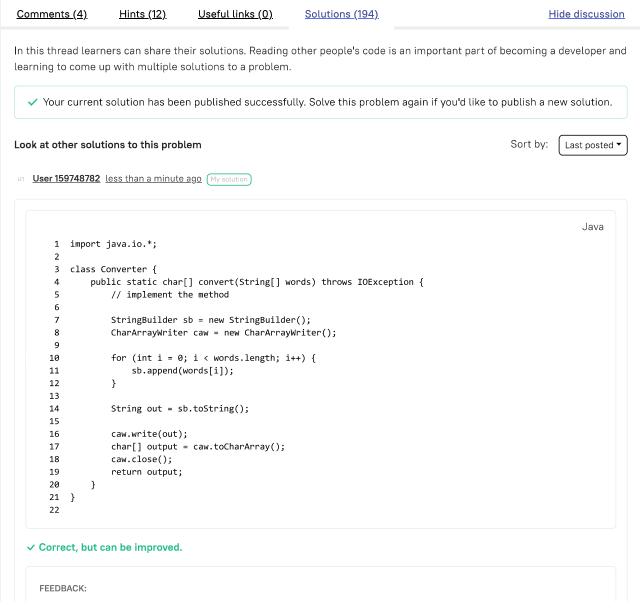
① This is the last hint available for this problem! Please post your own hint after completing the problem, future learners will thank you.

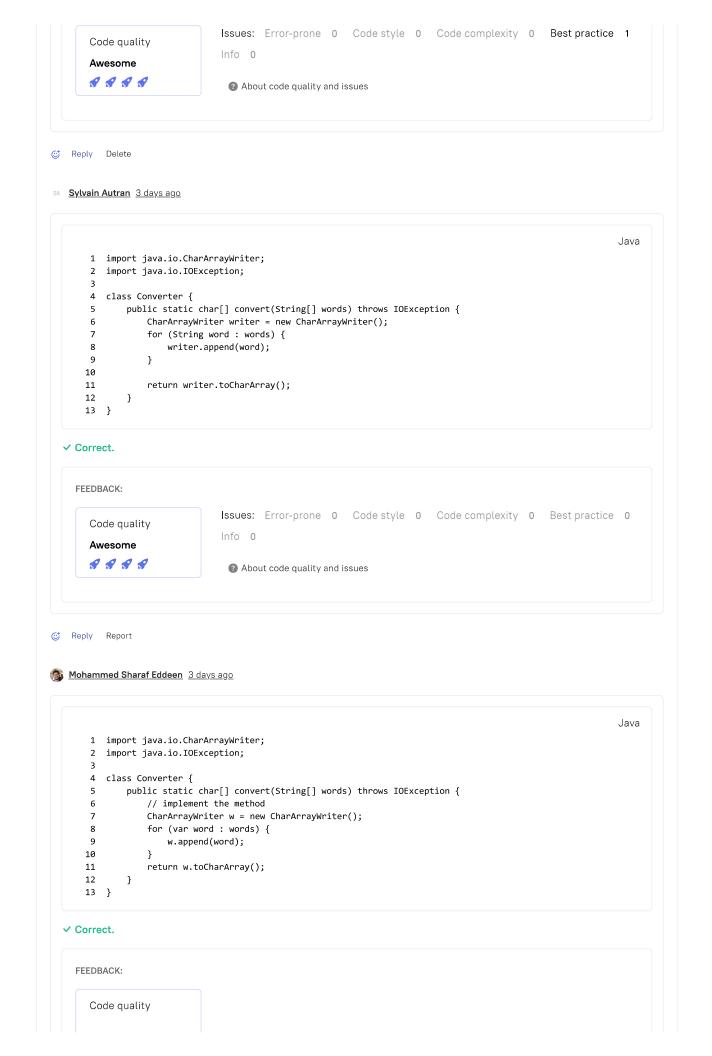
√ Write a program

Code Editor IDE

```
Java
 1 import java.io.*;
3 class Converter {
 4
        public static char[] convert(String[] words) throws IOException {
 5
           // implement the method
 7
            StringBuilder sb = new StringBuilder();
 8
            CharArrayWriter caw = new CharArrayWriter();
9
            for (int i = 0; i < words.length; i++) {</pre>
10
11
                sb.append(words[i]);
12
            }
13
14
            String out = sb.toString();
15
16
            caw.write(out);
            char[] output = caw.toCharArray();
17
18
            caw.close();
19
            return output;
20
        }
```







Awesome Issues: Error-prone 0 Code style 0 Code complexity 0 Best practice 0 Info 0 About code quality and issues Reply Report Conman 16 days ago Java 1 import java.io.IOException; 2 import java.io.CharArrayWriter; 4 class Converter { public static char[] convert(String[] words) throws IOException { 6 CharArrayWriter charWriter = new CharArrayWriter(); 7 String wordsPlus = ""; for (String word : words) { 8 9 wordsPlus += word; 10 charWriter.write(wordsPlus); 11 char[] chars1 = charWriter.toCharArray(); 12 13 charWriter.close(); return chars1; 14 15 } 16 } 17 ✓ Correct. FEEDBACK: Issues: Error-prone 0 Code style 0 Code complexity 0 Best practice 0 Code quality Info 0 Awesome 8888 About code quality and issues Reply Report Ben Humburg 19 days ago Java 1 import java.io.IOException; 2 import java.io.*; 4 class Converter { 5 public static char[] convert(String[] words) throws IOException { 6 // implement the method CharArrayWriter cAW = new CharArrayWriter(); 7 for (String str : words) { 9 cAW.write(str); 10 } 11 return cAW.toCharArray(); 12 } 13 } 14 ✓ Correct. FEEDBACK:

