

CECS 277 LAB JAVADOC

OBJECTIVE: This lab will help you get familiar with the Java API documentation and how to use it in your development.

INTRODUCTION: Whenever you use a new Java class or a new method in a familiar class, you want to be sure that you understand how that class operates. To do that, you will need to go to the appropriate

PROCEDURE:

1. The API (Application Programming Interface) documentation for Java lists the classes and methods of the Java library at <https://docs.oracle.com/javase/10/docs/api/index.html?overview-summary.html> and look up the class `StringTokenizer`. Note that near the top of the page there is a “Frames” link. You will want to click on that so that the page breaks out into frames. The web page will then break down into three frames: “Modules” in the upper left, “All Classes” and the main window on the right. That particular form factor will make this page easier to navigate.
2. In the following exercise, we will be using two methods from the class `StringTokenizer`: `countTokens()` and `nextToken()`. Go to the site above and find out what these methods do.
3. Create a Word document or .txt file and answer the following questions:
 - a. Consider the following program:

```
import java.util.StringTokenizer;
public class StringTokenizerDemo
{
    public static void main(String[] args)
    {
        String sentence = "Mary had a little lamb.";
        StringTokenizer mystery = new StringTokenizer(sentence);
        System.out.println(mystery.countTokens());
        System.out.println(mystery.nextToken());
        System.out.println(mystery.nextToken());
    }
}
```

What does it print?

- b. Modify the above program to use the following string: “it’s,fleece,was,white,as,snow” as the sentence, and use a comma(,) as the delimiter. What does the program print **this** time?
 - i. Be careful to **not** put any blanks into your `sentence` variable value.
 - c. Review the Javadoc for the `ArrayList` class, the `Collection` interface, and the `Collections` utility class and list any methods that you think might be useful for your `ArrayList` homework assignment. That homework assignment can be reached from the course schedule or by going to: <http://web.csulb.edu/~dbrown/CECS277/Homework/CECS%20277%20Homework%20ArrayLists.pdf>.
4. Put the following into the dropbox for this lab:

WHAT TO TURN IN:

- The code that I supplied you.
- The updated code that processes the new value for the `sentence` variable.
- Your word or text file answers to the above questions