Promineo Tech Back-End Coding Bootcamp Week 3 Research Assignent

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Prompts

1. Select five methods from the String JavaDocs and describe the following for each:
   (a) What is the method signature?
   (b) What does the method do?
   (c) Why would this method be useful (how could you use it)?

   The five methods in the String JavaDocs I will focus on will be: charAt() [char], concat() [String], equals() [boolean], length() [int], and toLowerCase() [String]. The method charAt(), when you enter in an integer value from 0 to length()-1, will return back the character value in the sequence. This can be helpful in keeping track of values for a variety of datatypes. The method concat() will concatenate a specified String variable to the end of a string. This is helpful in ensuring the automation of combining strings together throughout the code when the right conditions are met. The method equals() is used to check if an inputted value matches another established value in the code, which is super useful for codes dedicated for specialized data like usernames, passwords, security answers, etc. The method length() returns the integer value for the character length of a string, which is very useful for converting String data into int data for certain purposes, such as to convert relevant data from a String array into a int array. And finally, the method toLowerCase() will convert all of the character data in a string to their appropriate lowercase versions. This can be useful in conjunction with the equals() method, since forcing inputted data to be uniform can prevent errors from occurring as a result of mismatching cases in the inputted data.

2. What is your favorite thing you learned this week?

   My favorite thing that I learned this week is the diverse functionality of arrays and methods, albeit if only as a basic level as of right now. I love learning more of the shortcuts for coding, and this is definitely very handy shortcakes, even moreso than loops. The process of learning arrays and methods has also helped me better understand the usage of loops as well. I'm looking forward to being able to master arrays and methods so that it becomes almost like second nature for me.

Sources

Prompts 1/2

- https://docs.oracle.com/javase/7/docs/api/java/lang/String.html
- https://learn.promineotech.com/mod/book/view.php?id=8299&chapterid=441
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