Samuel Park

Enthuware Test 3 Review

It is important to use your study time effectively by identifying your weaknesses. Go through all the explanations for the questions on yesterday's enthuware exam and answer the following questions.

1. What types of questions were the hardest for you? Give the problem number for one of them. Which Test objective does it fall under?

- The hardest questions for me are under the “Working with the String Class” category. I got 3 questions (8, 9, 33) wrong because of a very specific and important detail. The detail I missed was that the starting and ending index of the substring method’s parameters are different. The starting index is inclusive, and the ending index is exclusive. For example, if the string is “hamburger”, and we call the method substring (4,8), the method returns urge not urger. The returned string is “urge” because the ending index is exclusive and doesn’t include the value and index 8 itself but the one before it.

2. What was a question you got right, but when you read the solution, you realized your reasoning was off? (Give the problem number and explanation.)

- A question I got correct with an unclear understanding is number 53. I knew that simply calling the substring method would not do anything to the same string. But I didn’t have the realization that strings were immutable. So, I got this question correct with a short thought process, but I would have liked to realize at that moment that strings are immutable. I would have also liked to realize that the same variable name “str” could be reassigned. I want to watch out for this.

3. Find one resource for learning more about the topic you struggled on such as method overloading [https://www.digitalocean.com/community/tutorials/overriding-vs-overloading-in-javaLinks to an external site.](https://www.digitalocean.com/community/tutorials/overriding-vs-overloading-in-java) and put the link here and share the link with your classmates.

- I like this article by digital ocean that defines the String class’s substring method, shows examples, and even demonstrates what would happen when there is an invalid argument resulting in an index out of bounds exception. It is published here <https://www.digitalocean.com/community/tutorials/java-string-substring> . Link shared with peers on Discord.