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Enthuware OCA Test 8 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?

- For test 8, the questions that were the hardest for me were the questions from the “Working with Java API – String, StringBuilder” category. I missed all 5 questions(10, 19, 24, 35, 40) from this category. After reading the Enthuware explanations and java documentation, I learned some important facts about the string builder class. (1) There is an insert method in the stringbuilder class. It has 4 parameters starting with the int offset, char sequence, int start, and ending with int end. (2) With the append method, there is an overloaded version with 3 parameters which include char sequence, start, and end. The start and end look at the char sequence being passed in as an argument; the indices do not look at the original string passed into the stringbuilder’s constructor. (3) There is a replace method in the stringbuilder class. The replace method has 3 parameters: start, end, and string. These indices look at the string passed into the stringbuilder’s constructor, not the string passed into method.

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 two-thirds correct is question 19. There are many overloaded append methods. But one thing I want to keep in mind is that there is no such append method that takes in 2 parameters. In addition, all append methods do not append within a char sequence. The functionality to insert a char sequence or string into the stringbuilder object is the insert method. The insert method has several overloaded methods, and it has a particular overloaded method with 2 parameters. The first parameter is an int offset, and the second parameter is a string to insert at the offsetting index.

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 learned a lot about the stringbuilder class from these 5 questions by reading through the explanations and reading the java docs as well. The docs are published at: <https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuilder.html>. In addition to the facts above, I also learned that there are no such methods: clear, empty, remove, removeAll, or deleteAll. There are two ways to delete characters in the stringbuilder object, and these two ways are with the delete method and deleteCharAt method. The delete method has 2 parameters for the starting and ending index. The deleteCharAt method has 1 parameter for the specific index of the char.