

Practice Question Analysis

Chapter 1

The first question I missed was a simple arithmetic question, involving java's order of operations. I evaluated the equation from left to right, whereas I should have executed the multiplication, division, and modulus first. The second question I missed was a problem involving conditionals. It was a simple logic error on my part and I didn't read the code properly. The last question I answered incorrectly on the chapter 1 practice, was identifying the use of a variable called `nRemaining`. The use of *nRemaining* was to increase the readability of the program, but for some reason I didn't think that was a valid answer because it had nothing to do with the logic of the program.

Chapter 2

The first question I got wrong in chapter 2 was question 10. The question involved creating a new variable based off of another one. I didn't realize that in order to create a new variable, the keyword "*new*" **must** be used. If you don't use the keyword `new`, you just create a reference to another variable (for example `int x = y;`). I also got question 19 incorrect. This question involved the execution of a *static* method, and I selected an answer that attempted to execute a static method from a variable. This is not possible.

Chapter 6

I answered question 4 incorrectly because I selected a solution that only addressed half of the problem. I also got question 17 because I incorrectly read a loop. I thought the loop was going to execute `n` times, but in reality, it only executed `n-1` times. I also answered question 20 incorrectly because I did not fully understand the for-each loop. The for-each loop cannot be used to replace elements in an array, and I selected an answer that attempted to do this.