**Level 1: Hello World**

1. Install and run the Dr. Java development environment from the network drive:  
   4Students\OUT\Nestor\Java\drjava-beta….exe
2. Edit, compile, and run the “Hello World” program as described online at: <http://www.cs.utsa.edu/~cs1063/resources/gettingstarteddrjava.html>
3. Explain the function of each line in the “Hello World” program below. The following reference will help you answer this question: <https://www.learnjavaonline.org/>

**Level 2: Variables and Types**

1. Read through the “Variables and Types” tutorial at <https://www.learnjavaonline.org/>
2. Explain the difference between “byte’, ‘short’, ‘int’, and ‘long’.
3. Which type would you use most often for a whole number?
4. When would you use the type ‘long’?
5. How is the type ‘float’ different from the type ‘int’?
6. How is the type ‘float’ different from the type ‘double?
7. When would you use the type ‘char’ and when would you use the object “String”?
8. What is an easy to concatenate (append) strings together?
9. What is the type ‘boolean’ used for?
10. How is the Java ‘boolean’ different from the Python ‘boolean’ type?
11. Write a program that prints ‘H3110 w0r1d 2.0 true’. You must use each of the variables discussed above.
12. How does your program compare to the solution provided at the bottom of the Variables and Types tutorial?

Level 3: Control Structures