# CS 225L: Lab 1 Quiz

Please briefly (1- 3 sentences) answer the following questions:

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| What do the *javac* and *java* commands do?  javac is used to compile the code allowing the system to check that it is all named correctly and that there aren’t any computer-breaking errors  java runs the .java and .class files |
| What is the Java Virtual Machine (JVM)?  JVM is the virtual machine that is created for Java code to run it. It separates the code running from the computer so that if something goes wrong with the code it won’t accidentally break the computer |
| Explain one benefit programmers get by using an IDE like Eclipse?  It has a “spellcheck” for java allowing the programmer to make sure that the code will work correctly before trying to run it through terminal/command line. It also makes it easier to program the code for example allowing keyboard shortcuts and instant-changing of variables all across the project |
| What is the purpose of the *main* method?  It is the method that is actually run and helps break the code into supporting methods and what code is directly being run |
| What is the difference between a file ending in “.java” versus “.class?”  The .java file is the file that is actually run while the .class file stores all the information for the .java file |