Introduction to Programming   Java

Lesson 2 Hello World

1. Login into your Cloud9 account
2. In a terminal session, make a new subdirectory named lessons
   ```
   mkdir  lessons
   ```
3. Change directories to the lessons subdirectory:
   ```
   cd  lessons
   ```
4. Create a new file, save it in the lessons directory with name Hello.java
5. Copy the Hello.java text from hwmath.net
6. Update the line with Name and use your name.
7. Update the string on line 14 and replace "Hello, world!" with a message of your choice. Be sure to keep the message in "double quotes"
8. Save the Hello.java file
9. From the command line window, compile the Hello.java program into byte code using:
   ```
   javac  Hello.java
   ```
10. Notice that the javac compiler created a file name Hello.class. You can verify this with the **ls** command: (both of the **l** characters below are lower case L)
    ```
    ls    -l
    ```
11. Execute the program using the java run time using:
    ```
    java    Hello
    ```
12. Notice that when you run java that you do not have to use the .class extension. Java will automatically look for a file with a .class extension. If you run java with
    ```
    java    Hello.class
    ```

    you will get the message: Error: Could not find or load main class Hello.class
    When you execute java, java will look for an entry point into the file, in this case it will be looking for something named main, which is where the program will begin.