Getting Started in Java Command Line, Cloud, and IDE
CS 5004 Object-Oriented Design

Report:

1. Reflection (What did you learn?)

My response:
This lab was my first Java project. Before this lab, I had never written a line of code in Java. So, I learned the basics of the Java programming language and its syntax is different than Python, which is the programming language used in CS5001. To code in Java, I installed the Eclipse IDE which I had never used before. So, I learned how to navigate Eclipse and push my Java project onto my GitHub account. Because this class is Object Oriented Design, we learned that all Java code is contained classes. This is different than Python. Also, I was introduced test driven development. As a result, I learned that we need to test class methods first, using JUnit testing, and then implement the code and logic contained inside the class methods second. This is the first time that I have coded with this software development methodology.

2. Screenshots (Requested screenshots labeled and logically organized.)

For Lab 0's ICE, Parts 1-4, I uploaded my screenshots, labeled and logically organized, and shared them with my assigned TA, Aidan.

    a. Part 1 - Command Line screenshot:
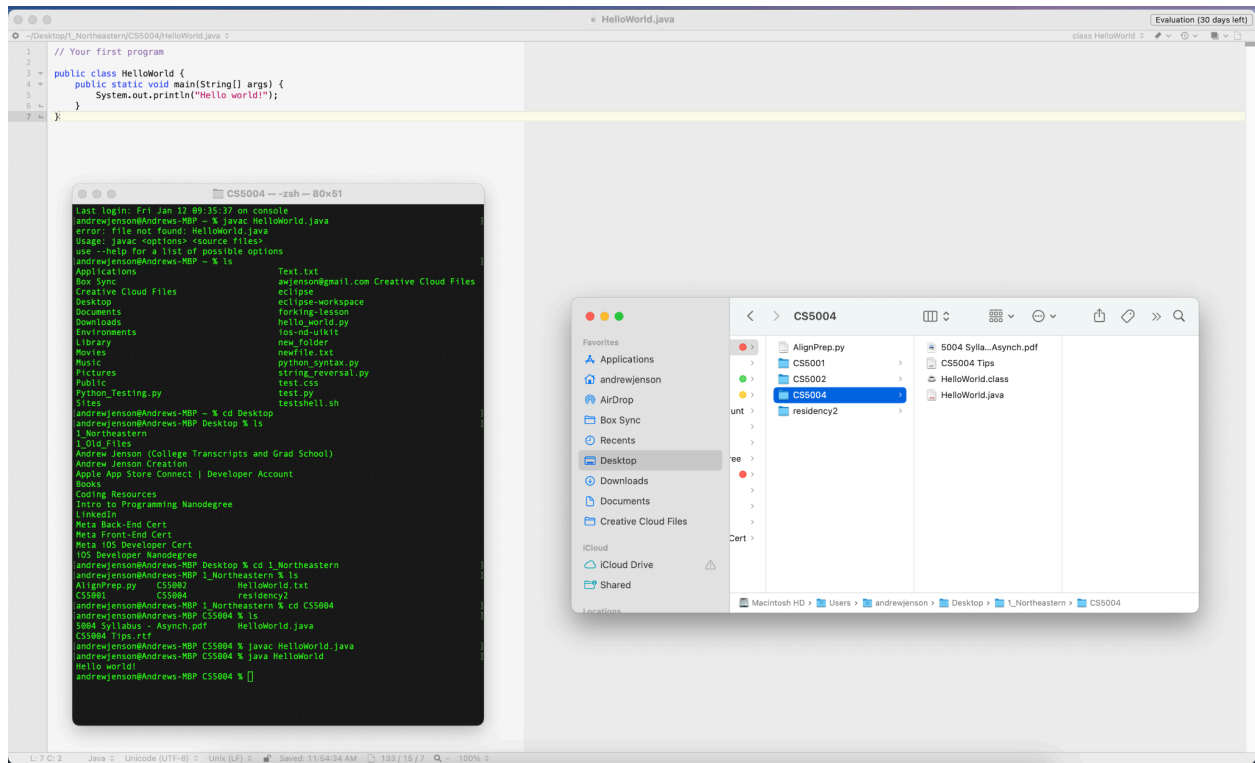
b. Part 2 - Cloud Compilers, JDoodle screenshot:

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Font Size: 12px ⌄

```
1   public class Main
2 ▾ {
3 ▾     public static void main(String[] args) {
4           System.out.println("Hello World");
5       }
6   }
```

Execute ▶

External Libraries   Upload Files   Input   Output

Hello World

Generated Files

No files generated

ⓘ CPU Time: **0.03 sec(s)** | Memory: **40320 kilobyte(s)** | Compiled and & executed in **1.365 sec(s)**

c. Part 2 - Cloud Compilers, OnlineGDB screenshot:

```java
/**************************************************************************

                        Online Java Compiler.
                Code, Compile, Run and Debug java program online.
Write your code in this editor and press "Run" button to execute it.

***************************************************************************/

public class Main
{
    public static void main(String[] args) {
        System.out.println("Hello World");
    }
}
```

```
Hello World

...Program finished with exit code 0
Press ENTER to exit console.
```
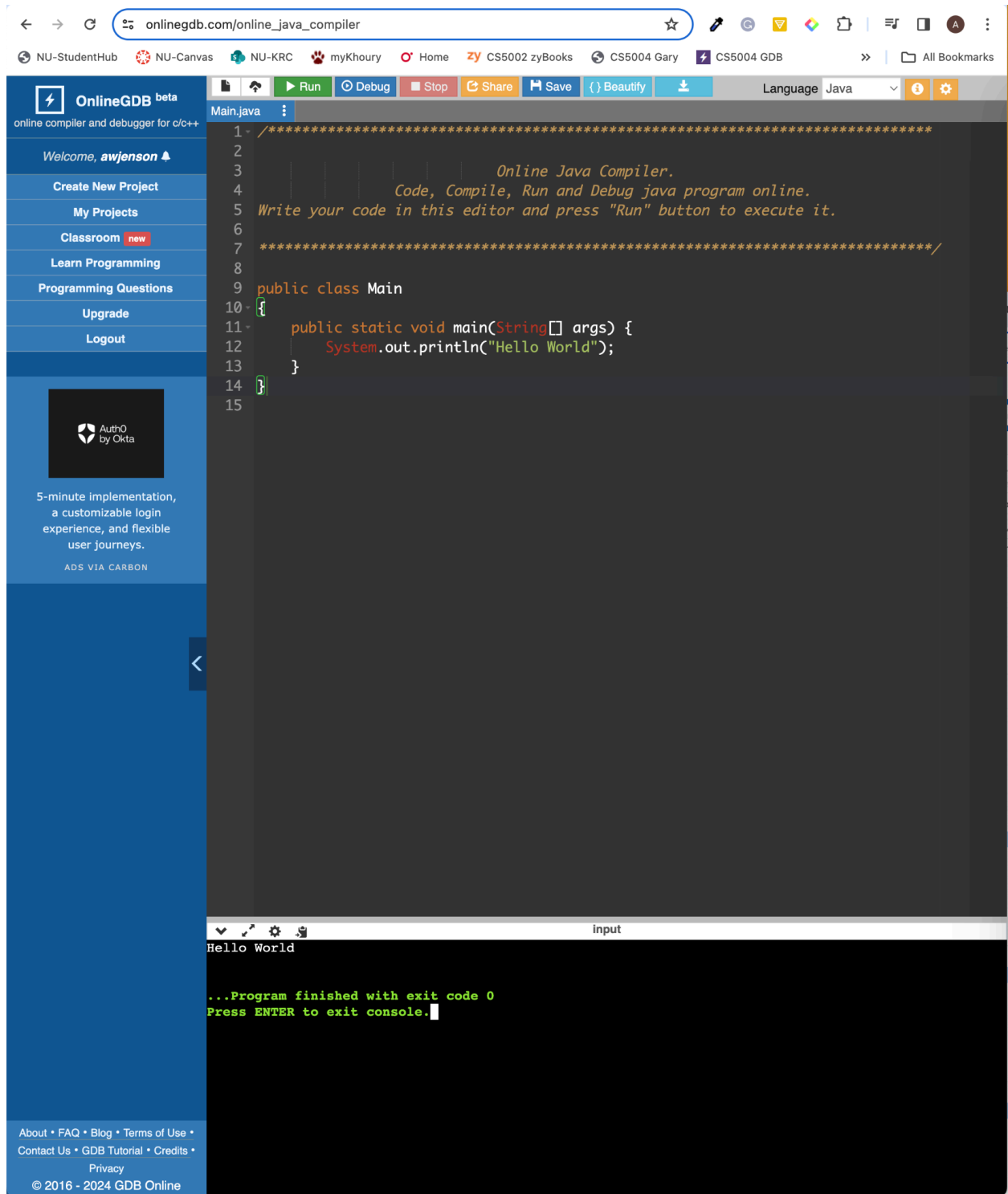
d. Part 3 - IDE, IntelliJ screenshot:
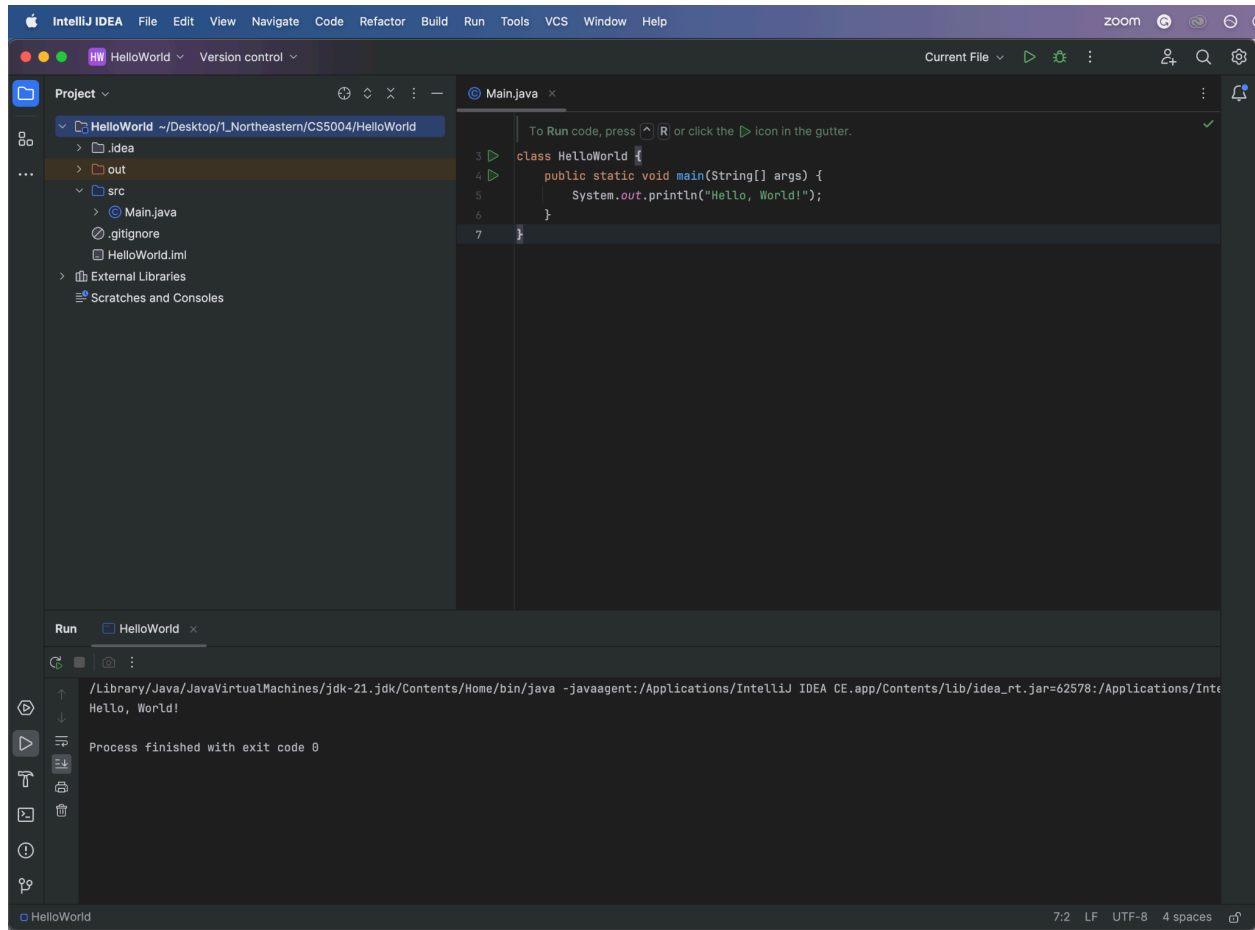
e. Part 4 - IDIndentifying Supporting Sources:

Submissible for Part 4 : Provide four learning sources as citations or links followed by why you think they would be a good resource.

1. YouTube channel "Coding With John":
https://www.youtube.com/@CodingWithJohn/playlists
Why: Because I already watched his "Learn Java in One Video - 15-minute Crash Course" video (https://www.youtube.com/watch?v=drQK8ciCAjY&list=RDCMUC42pOSNg804f1wCcj7qL0mA&index=1) and found it to be very helpful and easy to understand.

2. YouTube channel "Bro Code" has a 'Java tutorial for beginners':
https://www.youtube.com/watch?v=NBIUbTddde4&list=PLZPZq0r_RZOMhCAyywfnYLlrjiVOkdAI1
Why: Because I already watched his Python videos for CS5001 and found it to be very helpful and easy to understand. So, I believe his videos will be helpful for learning Java.

3. W3Schools' Java Tutorial: https://www.w3schools.com/java/

Why: Because I used this website for CS5001 and found their Python tutorials to be helpful. So, I believe this website will also help me learn Java.

4. GeeksForGeek's "Java Tutorial": https://www.geeksforgeeks.org/java-tutorial/
Why: Because I used this website for CS5001 and found their Python tutorials to be helpful. So, I believe this website will also help me learn Java.

3. Extensions (What extensions are you requesting?)

None.

4. Grading Statement (Based on the rubric, what grade do you feel you deserve? Be honest and use the rubric.)

100%. I have followed the rubric. Plus, I went above and beyond by creating a new class object called Movie and an associated test class. And, I also submitted my code as a GitHub link. Connecting my Github account with the Eclipse IDE took me 5+ hours of work. I posted my solution on Discord to help my classmates who may also struggle with connecting their GitHub account to the Eclipse IDE.

5. Academic Integrity Statement (can be found from courses.garycantrell.info)
My response:
I have signed, dated, and submitted this document.