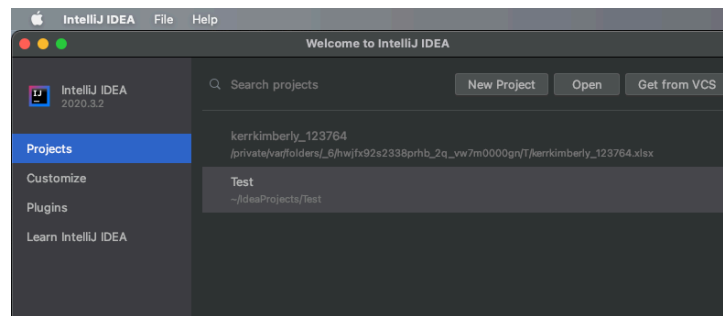
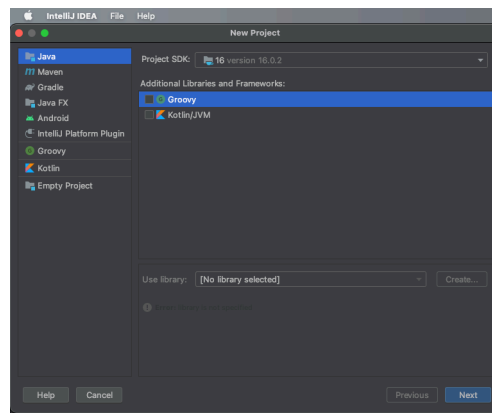


COP 2210 Lab 1

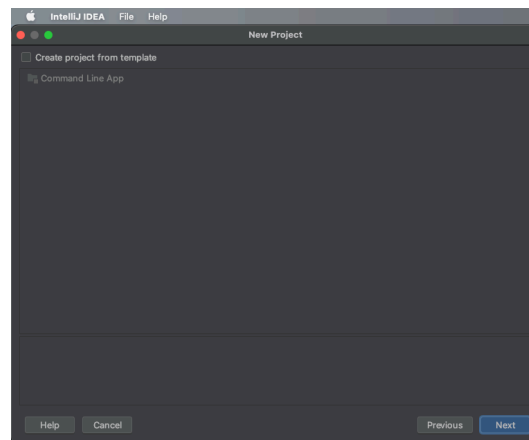
1. Open IntelliJ and create a new Project



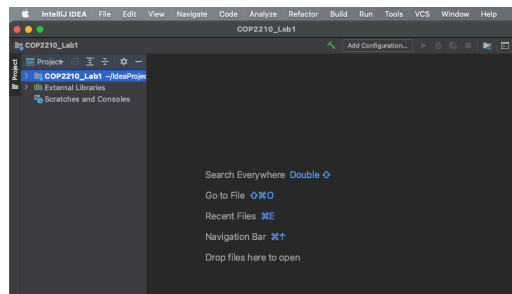
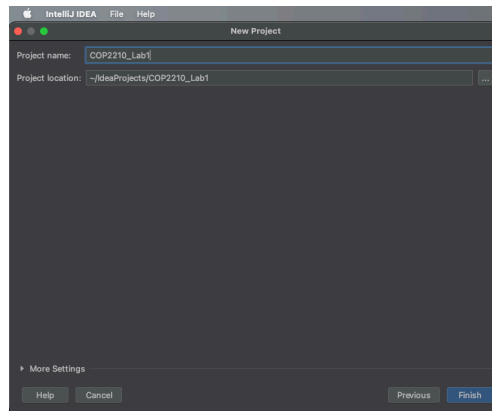
2. Click the next button



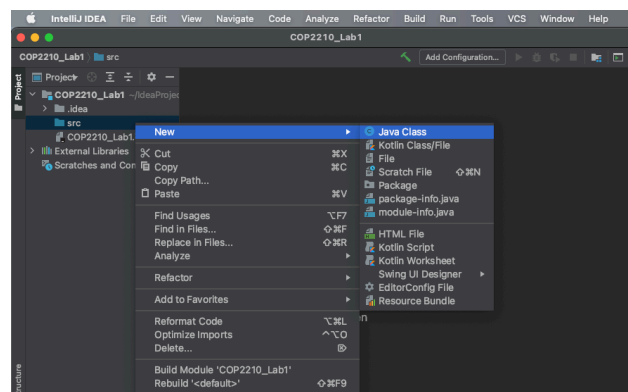
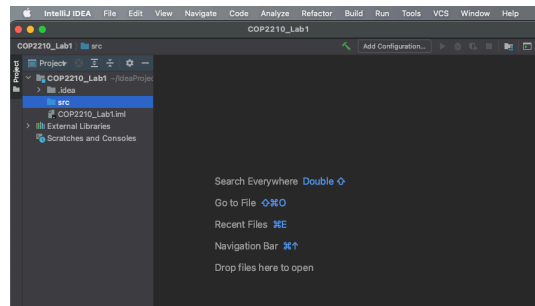
3. Click next



4. In the Project name field type -> COP2210_Lab1 and click the Finish button



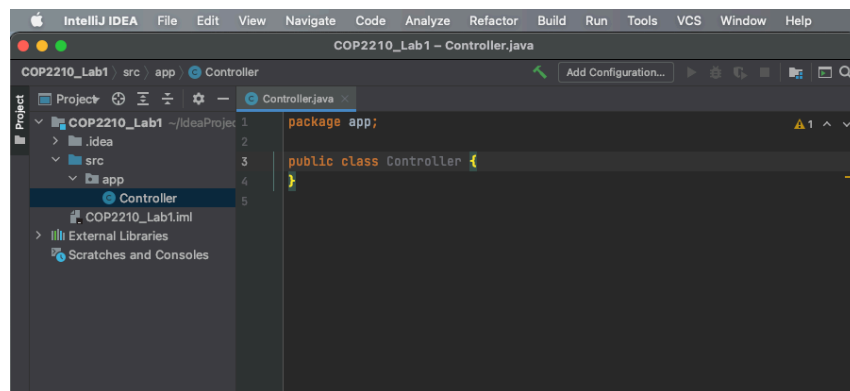
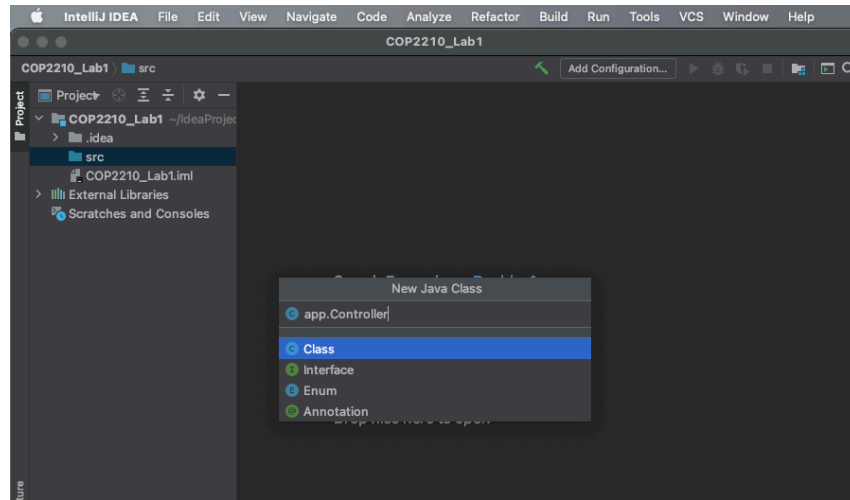
5. Click the Project Tab on the left side and right click on the src folder icon



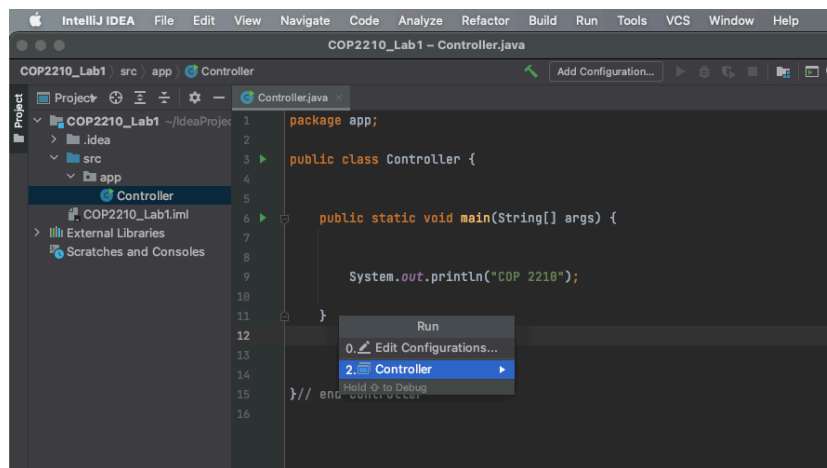
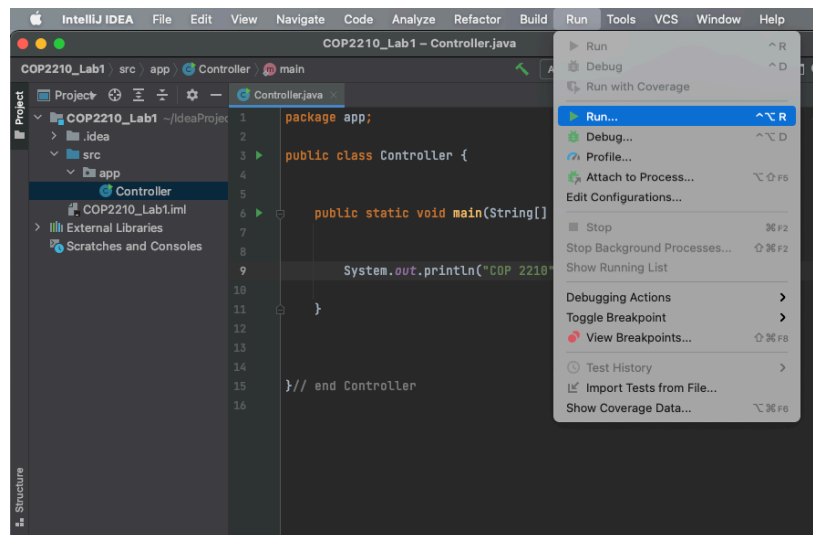
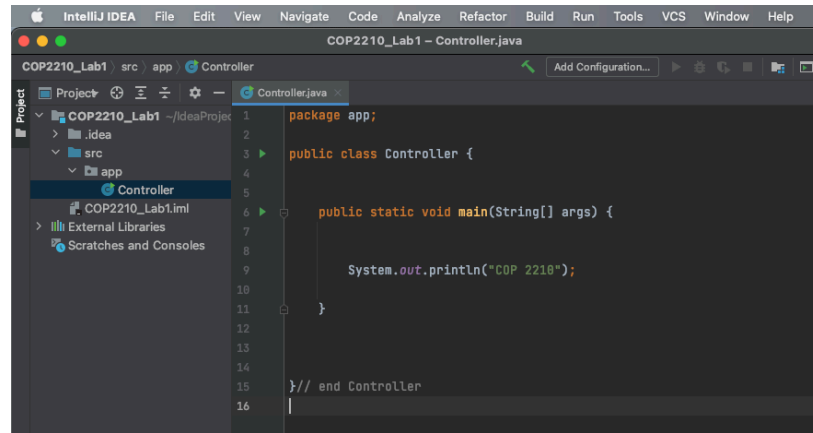
6. Create a new class named app.Controller

IMPORTANT: pay attention to the capitalization

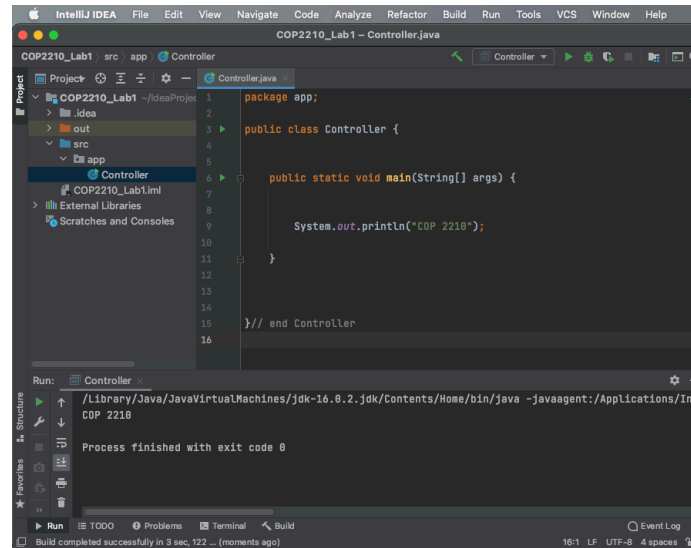
IMPORTANT: app is a package and Controller is the java file named Controller.java



7. Write the following code and run your code
IMPORTANT: Pay attention to the location of the code



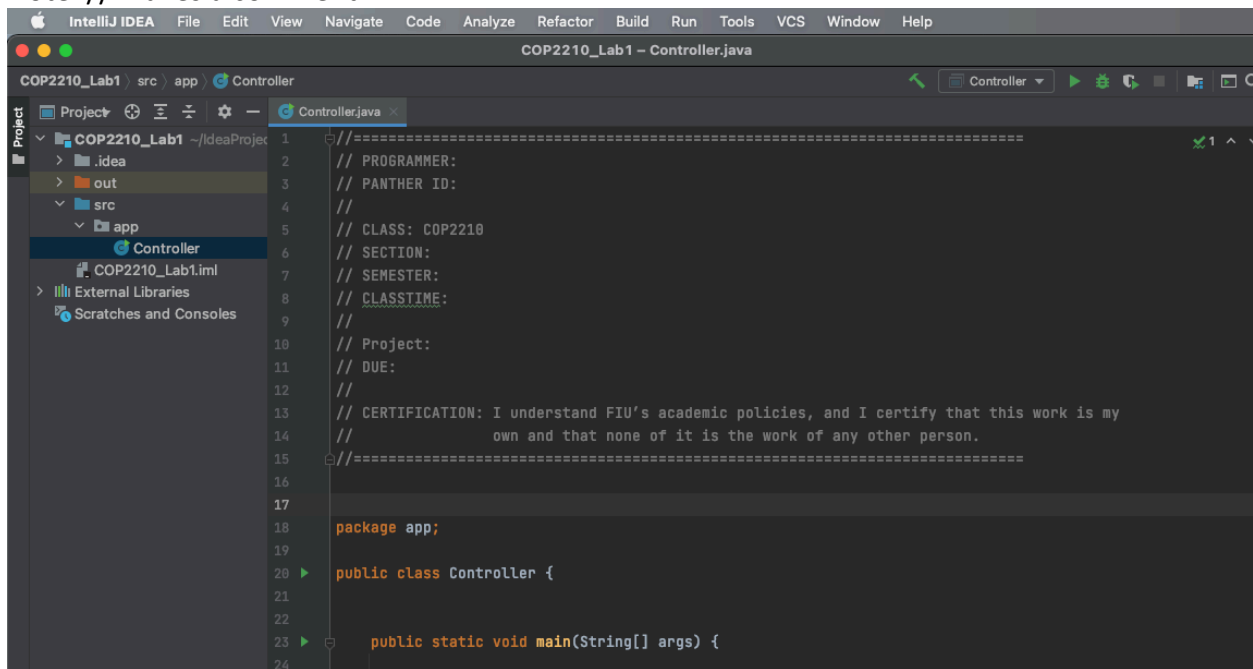
Output of your code. Look at the console.
If you have an issue please ask a LA or me to help you.



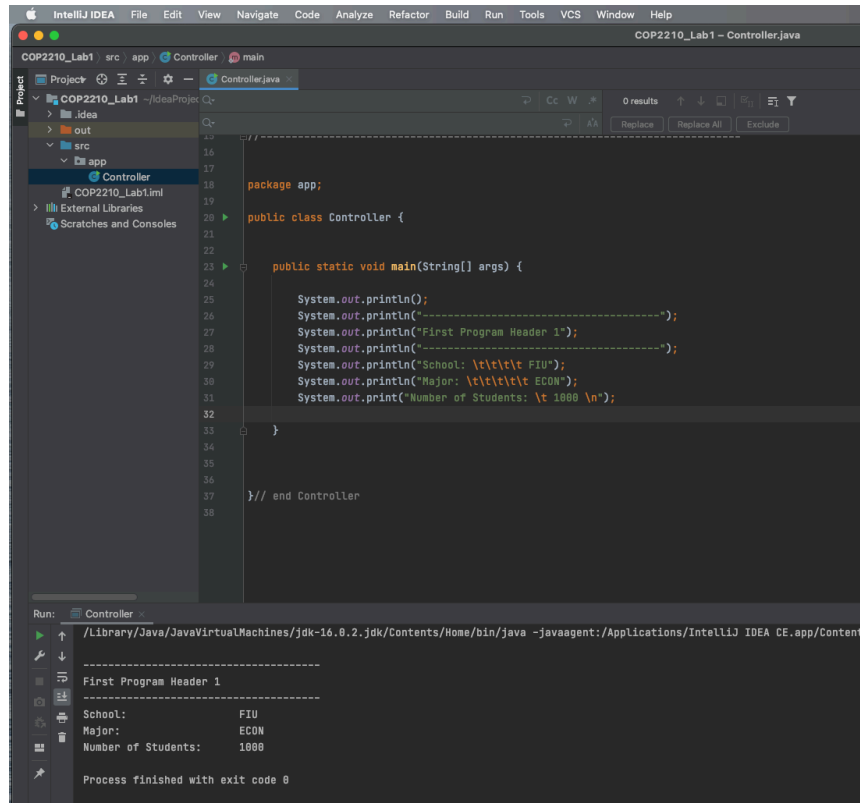
8. Add the following header to your code and fill it out with your information.

IMPORTANT: pay attention to the location

Note: // makes a comment



9. Write the following code and run it. Look at the console output and try to understand the code.



The screenshot shows the IntelliJ IDEA IDE with a project named 'COP2210_Lab1'. The 'Controller.java' file is open, showing the following code:

```
15 package app;
16
17 public class Controller {
18
19     public static void main(String[] args) {
20
21         System.out.println();
22         System.out.println("-----");
23         System.out.println("First Program Header 1");
24         System.out.println("-----");
25         System.out.println("School: \t\t\t\t FIU");
26         System.out.println("Major: \t\t\t\t ECON");
27         System.out.print("Number of Students: \t 1000 \n");
28     }
29 }
30
31 // end Controller
```

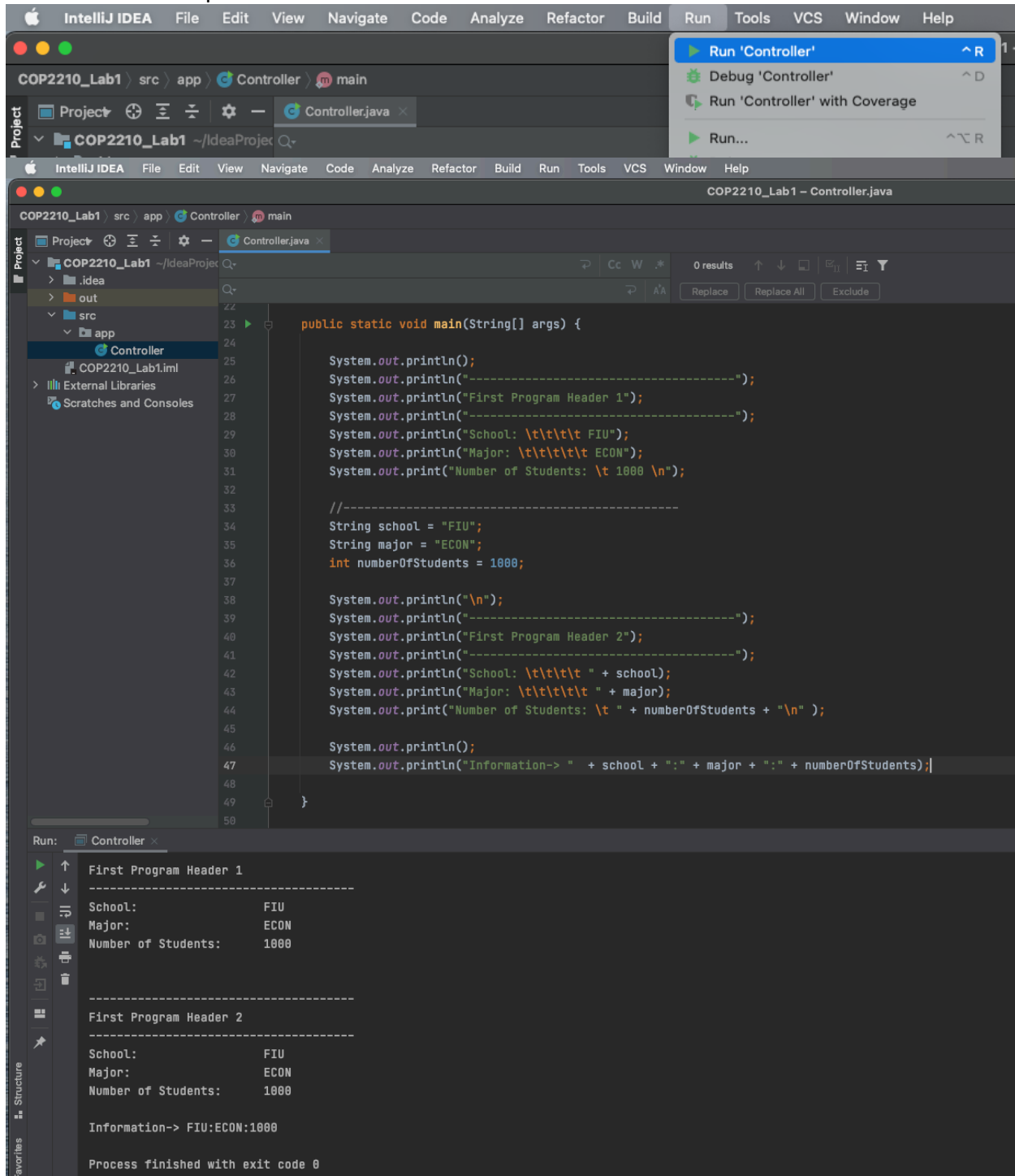
The console output shows the following text:

```
Run: Controller
/Library/Java/JavaVirtualMachines/jdk-16.0.2.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents
First Program Header 1
-----
School:          FIU
Major:           ECON
Number of Students: 1000

Process finished with exit code 0
```

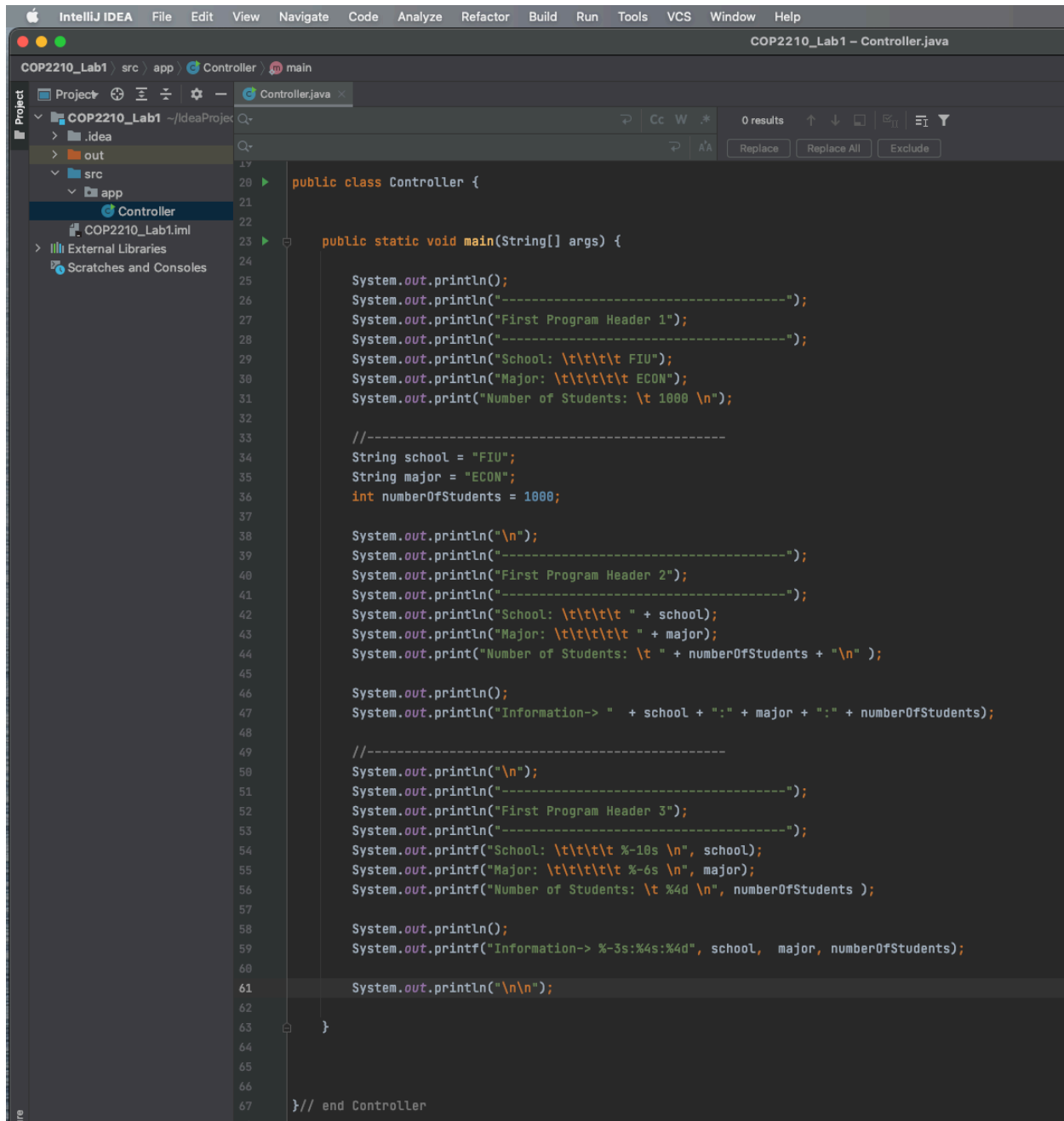
10. Write the following code and run it. Look at the console output and try to understand the code.

IMPORTANT IDEA: print variables

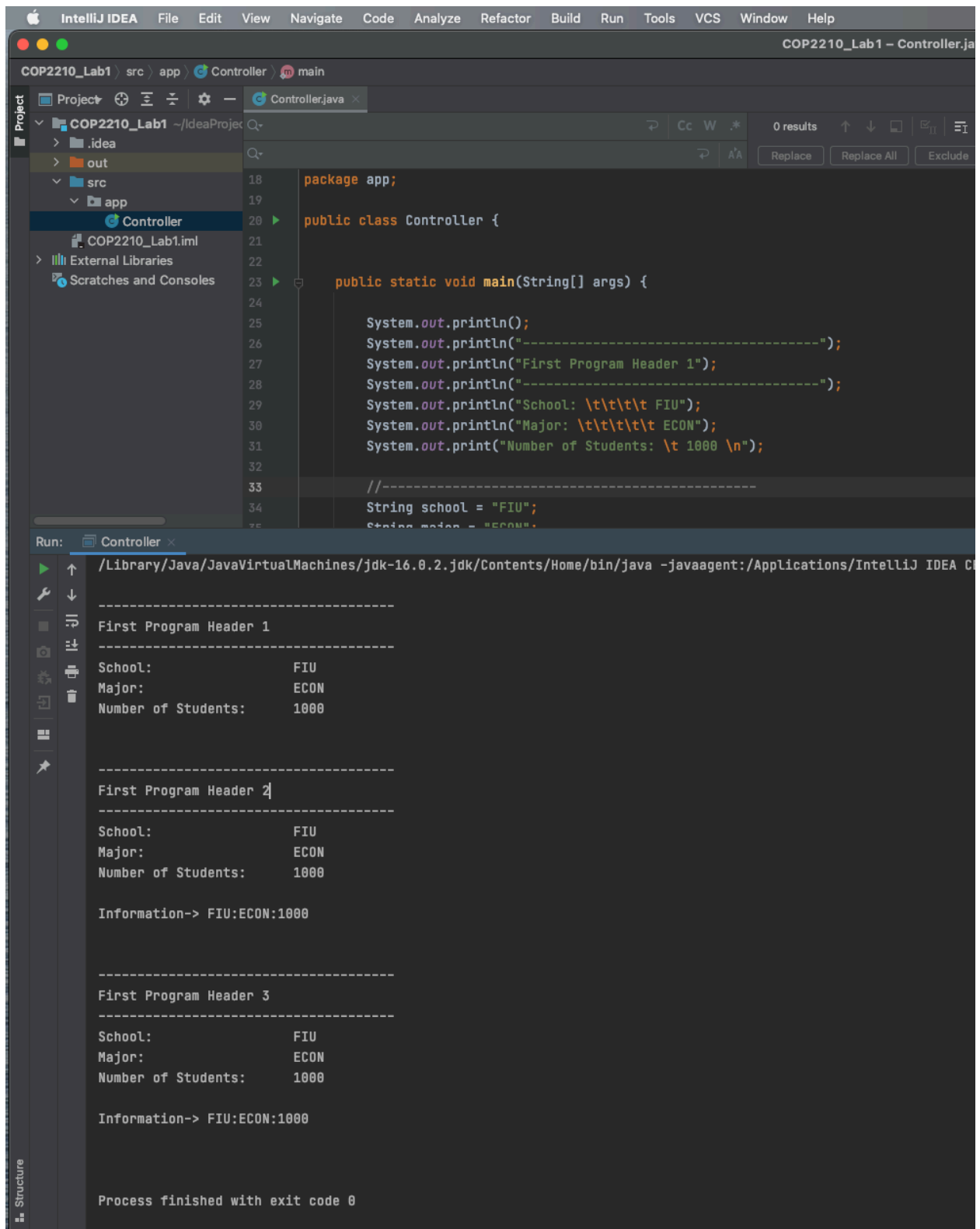


11. Write the following code and run it. Look at the console output and try to understand the code.

IMPORTANT IDEA: print variables with printf



```
17 public class Controller {
18
19
20
21
22
23     public static void main(String[] args) {
24
25         System.out.println();
26         System.out.println("-----");
27         System.out.println("First Program Header 1");
28         System.out.println("-----");
29         System.out.println("School: \t\t\t\t FIU");
30         System.out.println("Major: \t\t\t\t ECON");
31         System.out.print("Number of Students: \t 1000 \n");
32
33         //-----
34         String school = "FIU";
35         String major = "ECON";
36         int numberOfStudents = 1000;
37
38         System.out.println("\n");
39         System.out.println("-----");
40         System.out.println("First Program Header 2");
41         System.out.println("-----");
42         System.out.println("School: \t\t\t\t " + school);
43         System.out.println("Major: \t\t\t\t " + major);
44         System.out.print("Number of Students: \t " + numberOfStudents + "\n ");
45
46         System.out.println();
47         System.out.println("Information-> " + school + ":" + major + ":" + numberOfStudents);
48
49         //-----
50         System.out.println("\n");
51         System.out.println("-----");
52         System.out.println("First Program Header 3");
53         System.out.println("-----");
54         System.out.printf("School: \t\t\t\t %-10s \n", school);
55         System.out.printf("Major: \t\t\t\t %-6s \n", major);
56         System.out.printf("Number of Students: \t %4d \n", numberOfStudents );
57
58         System.out.println();
59         System.out.printf("Information-> %-3s:%4s:%4d", school, major, numberOfStudents);
60
61         System.out.println("\n\n");
62     }
63
64
65
66
67 }
68
69 // end Controller
```

12. Study the code and the output. Do you see something ... and do you understand it?

YOUR DONE 😊