BSc in Computing
COMP112 Programming I
Lab Practice 1: Using Eclipse / online compiler

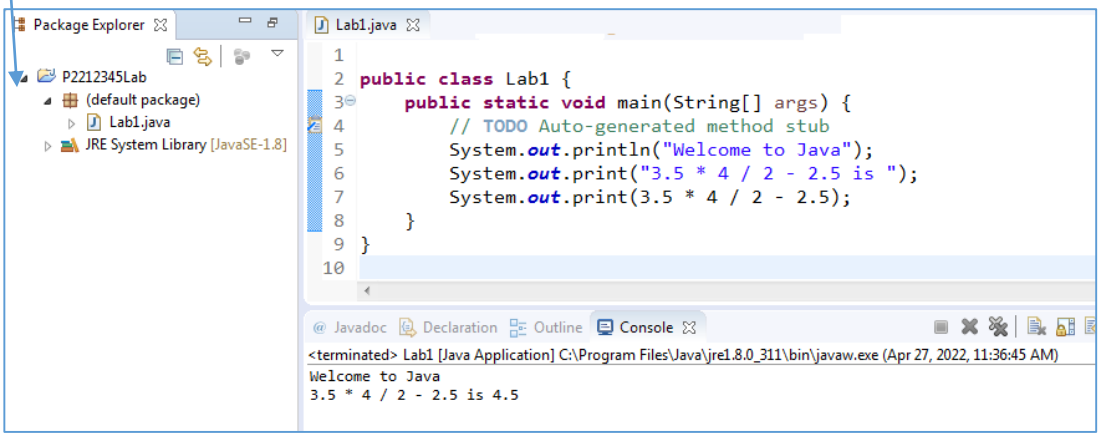
1. ~~In Eclipse, create a Java project named using your Student ID followed by Lab, e.g. P2212345Lab.~~

   ~~**Note that this project is the folder to hold your java programs for all the labs.**~~

   a) Write a Java class "Lab1" with the following lines of code.

```
1
2  public class Lab1 {
3      public static void main(String[] args) {
4          // TODO Auto-generated method stub
5          System.out.println("Welcome to Java");
6          System.out.print("3.5 * 4 / 2 - 2.5 is ");
7          System.out.print(3.5 * 4 / 2 - 2.5);
8      }
9  }
```

Submit via Canvas the lab report including all the required details for **Java class "Lab1"**. For sample execution, shown below is a sample screen capture for your reference.



- **In question 1.2 of your lab report, <u>in addition to your answer</u>, copy the following sub-questions and answer accordingly (to be numbered in the same way).**
  - 1.2.1 From your observation, what is the difference of using Sytem.out.println and Sytem.out.print.
  - 1.2.2 What is the difference of the last two lines of code, one including the pair of double quotes ("…") and one without it?

b) Write a Java class "Lab1Rect" that displays the area and perimeter of a rectangle with a width of 5.3 and height of 8.6. **The output should have meaningful description.**

- For this Java class "Lab1Rect", the lab report ONLY needs to include the sample execution by running the code, that is, a screen capture similar to the one shown above clearly showing the code and the Console output.