جامعة عفت

EFFAT UNIVERSITY

CS2132-2

OOP - Spring2022

Author: **Reem Alsharabi S20106353**

Instructor: **Dr. Akila Sarirete**

Date of Submission: **28/01/2022**

Contents

1 Downloading and Installing Java

- Download Java Development Kit for Windows
- Execute the installer

2 Downloading and Installing Eclipse IDE

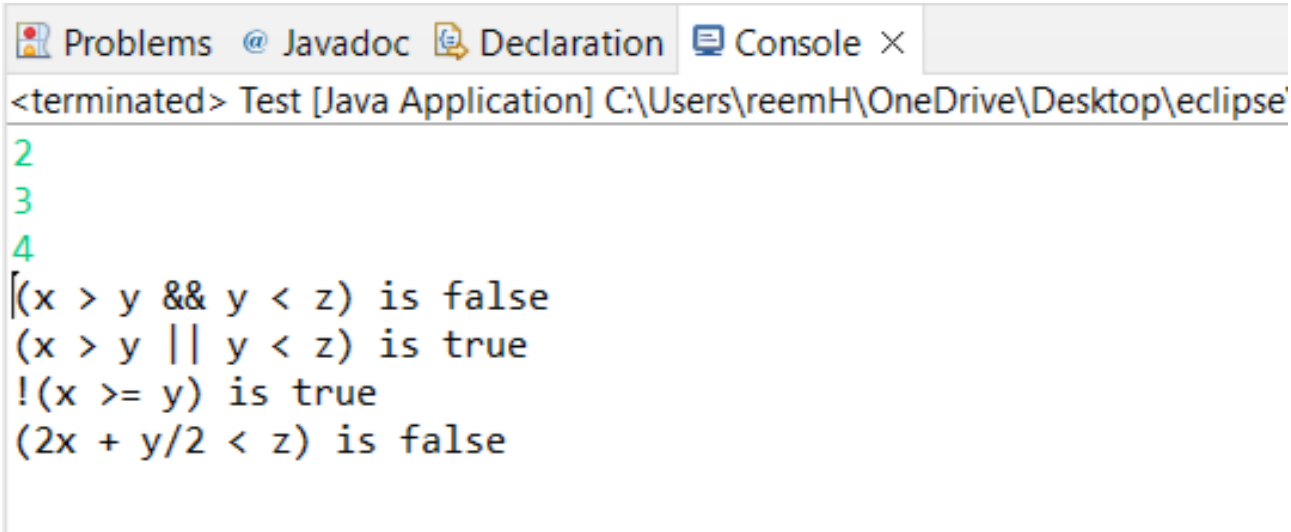
- Download Eclipse IDE for Java Developers for Windows
- Extract the zip file and execute the application eclipse

3 Implementing Java programs

3.1 Example 1

```
public class Test {
   public static void main(String[] args) {
      double x, y, z;
      java.util.Scanner input = new java.util.Scanner(System.in);
      x = input.nextDouble();
      y = input.nextDouble();
      z = input.nextDouble();
      System.out.println("(x > y && y < z) is " + (x > y && y < z));
      System.out.println("(x > y || y < z) is " + (x > y || y < z));
      System.out.println("!(x >= y) is " + !(x >= y));
      System.out.println("(2x + y/2 < z) is " + (2 * x + y / 2 < z));
      input.close();
   }
}
```

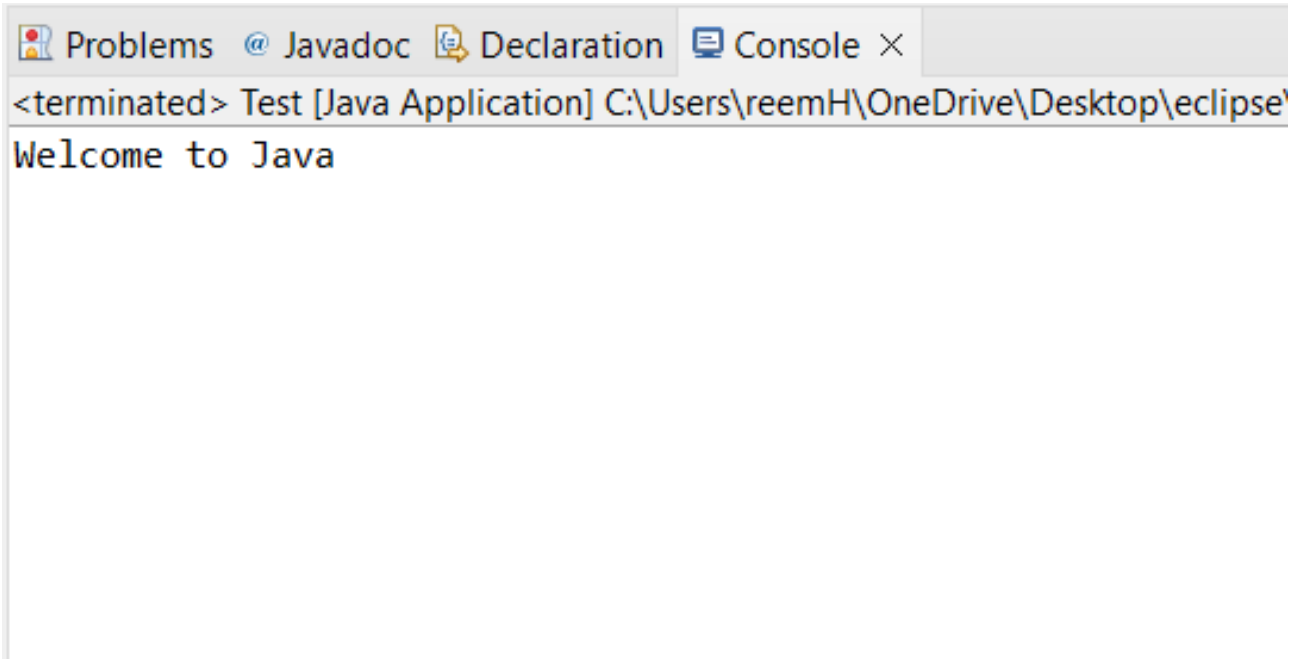
3.2 Output



3.3 Example 2

```
public class Test {
    public static void main(String[] args) {
        System.out.println("Welcome to Java");
    }
}
```

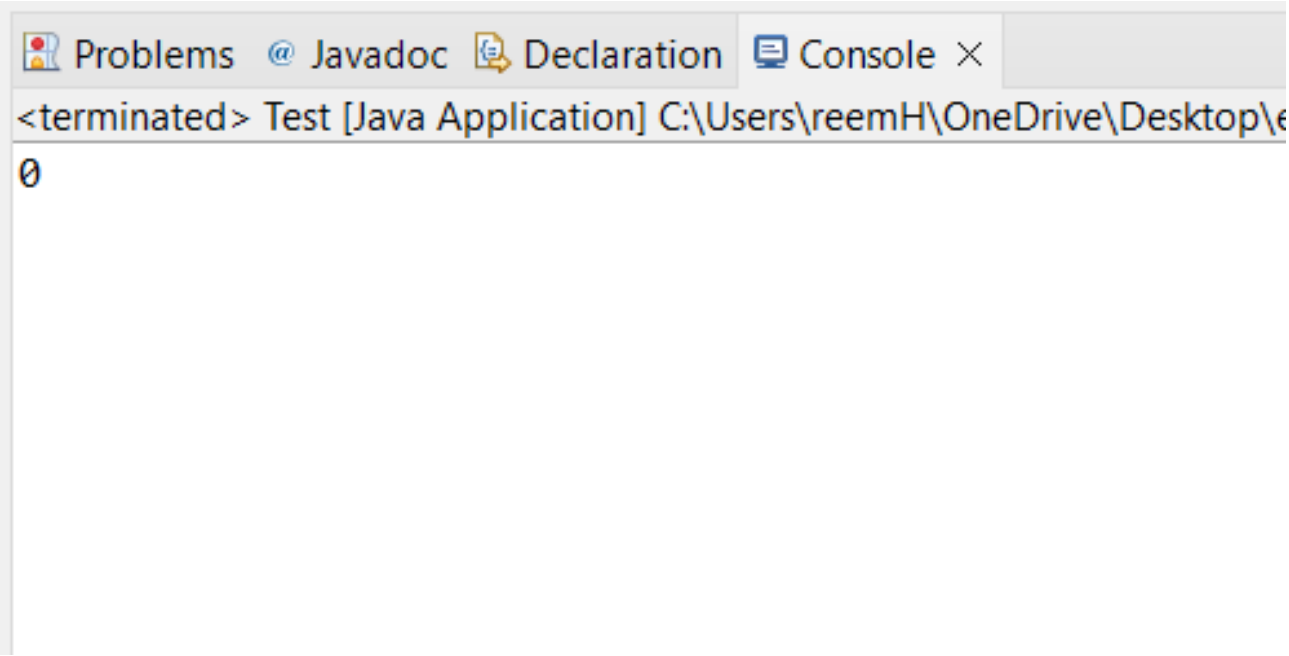
3.4 Output



3.5 Example 3

```
public class Test {
   public static void main(String[] args) {
      System.out.println(0 / 1);
   }
}
```

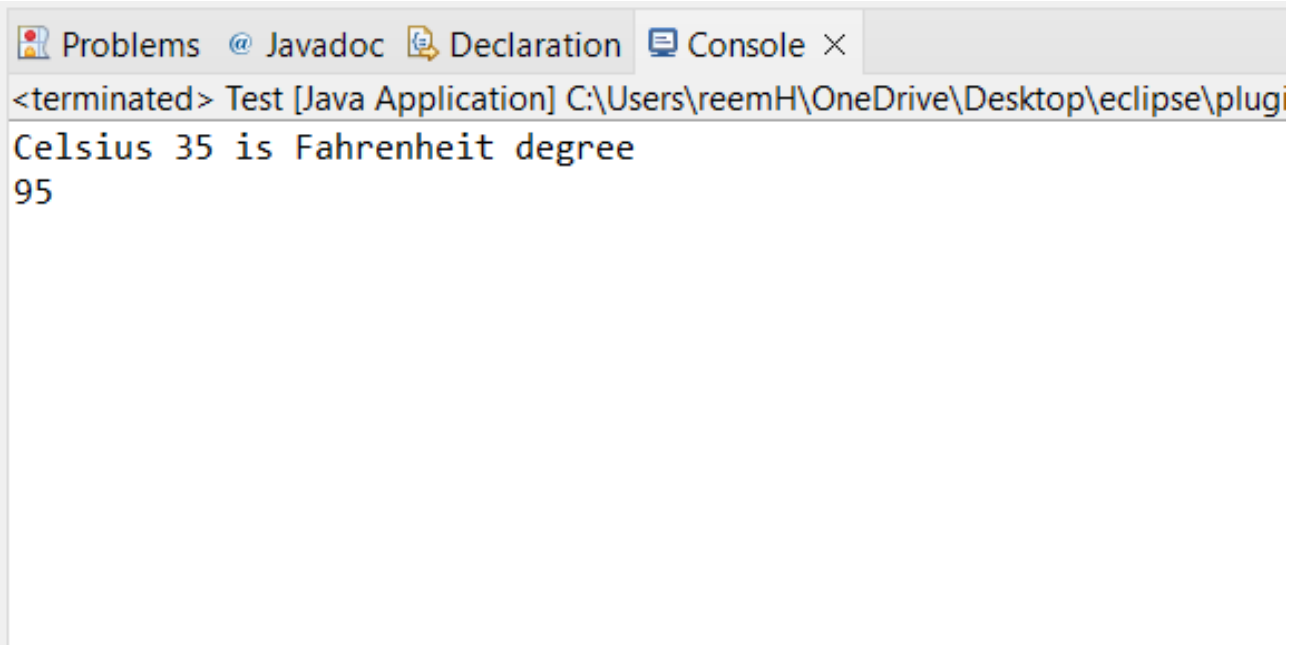
3.6 Output



3.7 Example 4

```
public class Test {
   public static void main(String[] args) {
      System.out.println("Celsius 35 is Fahrenheit degree ");
      System.out.println(35 * 9 / 5 + 32);
   }
}
```

3.8 Output



4 Conclusion

This lab was very clear and helpful. As an introduction to the course, it helped us to get familiar with the programming environment and Java syntax.