Joel Goode - CMIS 242/4010 - 5/31/22

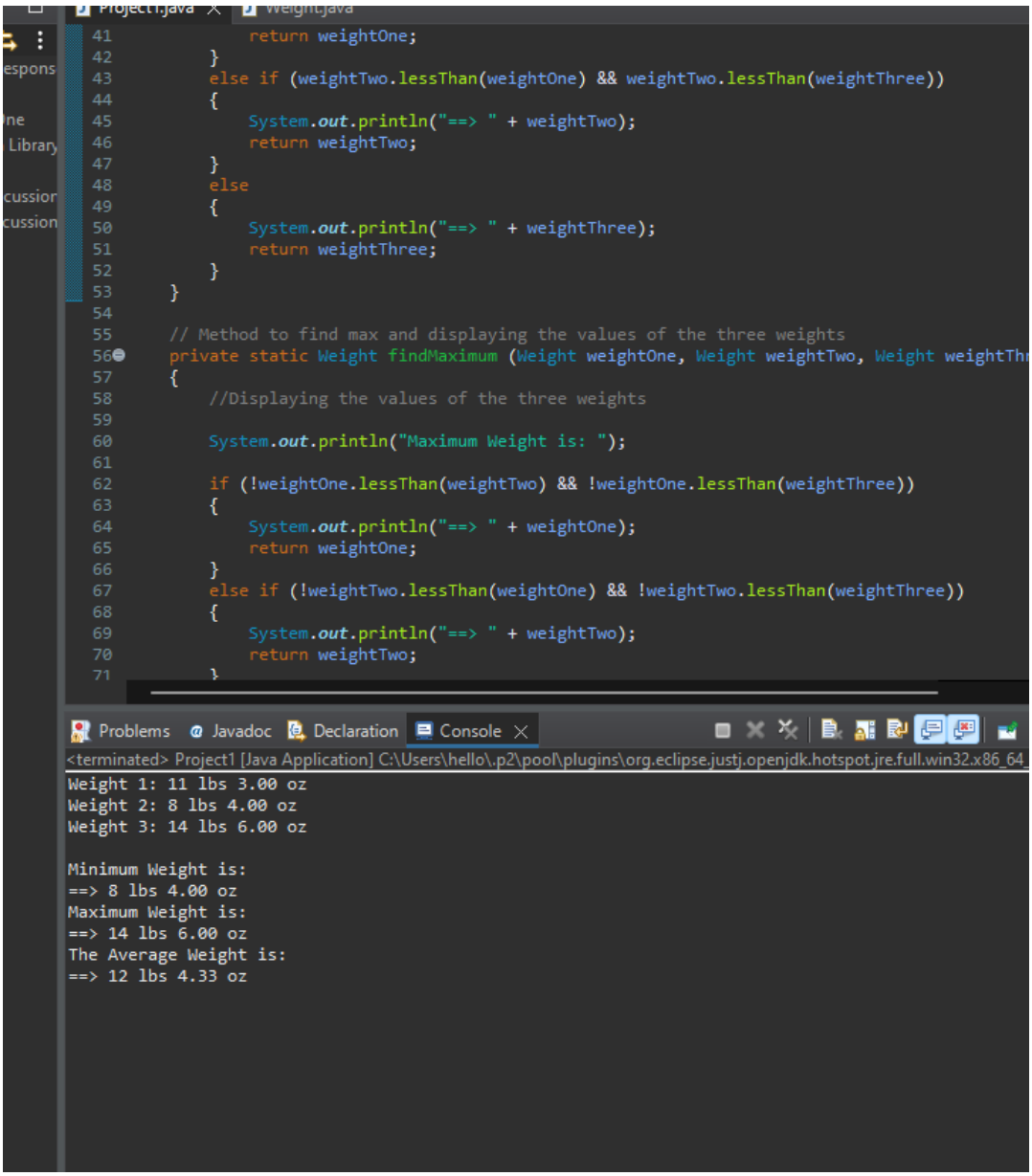
Test Cases

The goals is to create a program that will perform calculations such as, minimum, maximum and average on weight objects within a Weight Class and Project1 Class.

Test #	Input	Expected Output	Actual Output	PASS/FAIL
1	New weight 1 = (11,3) New weight 2 = (7,3) New weight 3 = (14,6)	Weight 1: 11 lbs 3oz Weight 2: 8 lbs 4 oz Weight 3: 14 lbs 6 Min: 8 lbs 4 oz Max: 14 lbs 6 oz Avg: 12 lbs 4 oz	Weight 1: 11 lbs 3.00 oz Weight 2: 8 lbs 4.00 oz Weight 3: 14 lbs 6.00 oz Minimum Weight is: ==> 8 lbs 4.00 oz Maximum Weight is: ==> 14 lbs 6.00 oz The Average Weight is: ==> 12 lbs 4.33 oz	PASS
2	New weight 1 = (30,2) New weight 2 = (14,0) New weight 3 = (1,17)	Weight 1: 30 lbs 2oz Weight 2: 14 lbs 0 oz Weight 3: 2 lbs 1 oz Min: 2 lbs 1 oz Max: 30 lbs 2 oz Avg: 16 lbs 6 oz	Weight 1: 30 lbs 2.00 oz Weight 2: 14 lbs 0.00 oz Weight 3: 2 lbs 1.00 oz Minimum Weight is: ==> 2 lbs 1.00 oz Maximum Weight is: ==> 30 lbs 2.00 oz The Average Weight is: ==> 16 lbs 6.33 oz	PASS
3	New weight 1 = (16,4) New weight 2 = (8,40) New weight 3 = (6,3)	Weight 1: 16 lbs 4oz Weight 2: 10 lbs 8 oz Weight 3: 14 lbs 6 Min: 6 lbs 3 oz Max: 16 lbs 4 oz Avg: 10 lbs 6 oz	Weight 1: 16 lbs 4.00 oz Weight 2: 9 lbs 24.00 oz Weight 3: 6 lbs 3.00 oz Minimum Weight is: ==> 6 lbs 3.00 oz Maximum Weight is: ==> 16 lbs 4.00 oz The Average Weight is: ==> 11 lbs 15.67 oz	FAIL

Joel Goode - CMIS 242/4010 - 5/31/22

Test Case #1

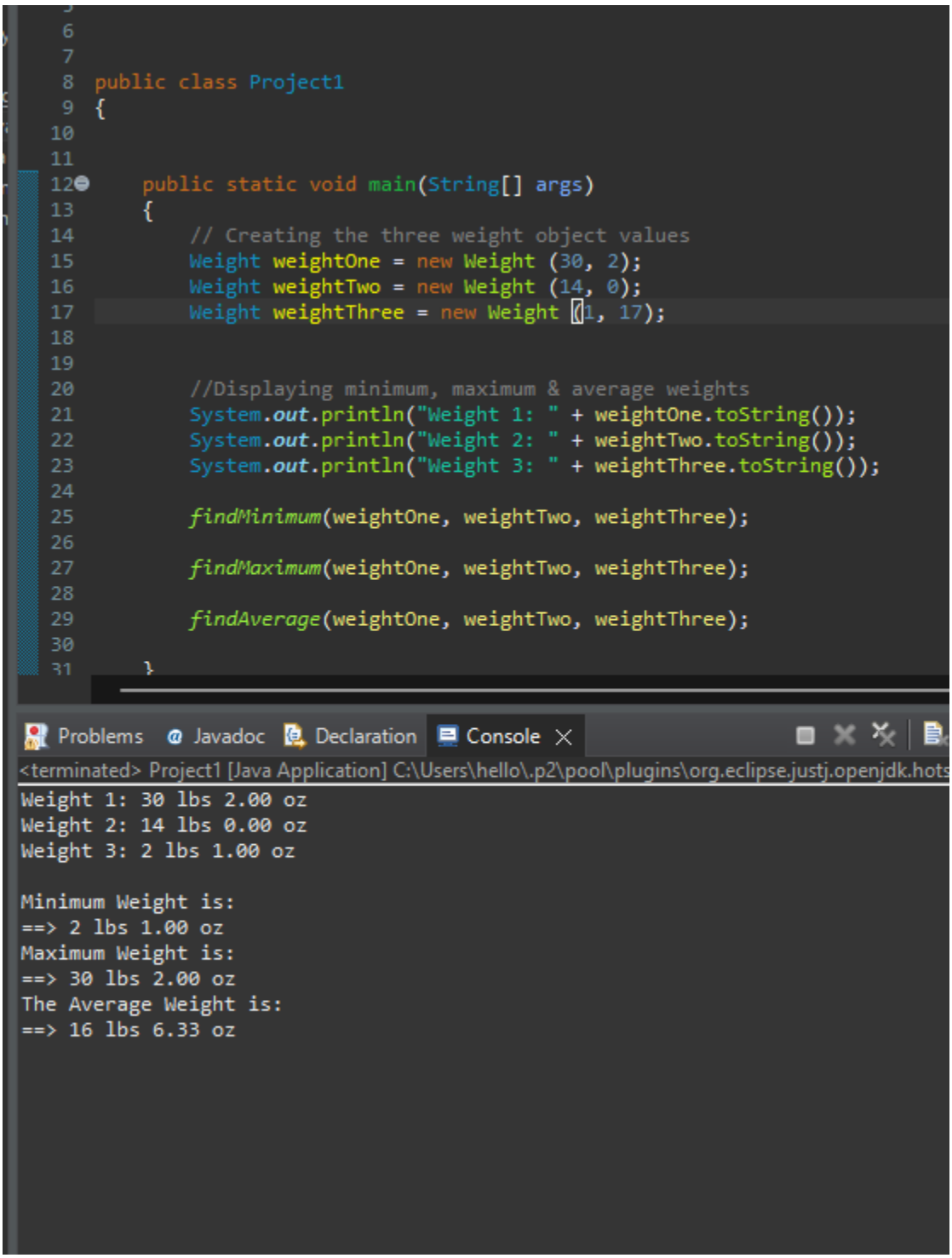


```
            return weightOne;
        }
        else if (weightTwo.lessThan(weightOne) && weightTwo.lessThan(weightThree))
        {
            System.out.println("==> " + weightTwo);
            return weightTwo;
        }
        else
        {
            System.out.println("==> " + weightThree);
            return weightThree;
        }
    }

    // Method to find max and displaying the values of the three weights
    private static Weight findMaximum (Weight weightOne, Weight weightTwo, Weight weightThr
    {
        //Displaying the values of the three weights

        System.out.println("Maximum Weight is: ");

        if (!weightOne.lessThan(weightTwo) && !weightOne.lessThan(weightThree))
        {
            System.out.println("==> " + weightOne);
            return weightOne;
        }
        else if (!weightTwo.lessThan(weightOne) && !weightTwo.lessThan(weightThree))
        {
            System.out.println("==> " + weightTwo);
            return weightTwo;
        }
```

Problems | Javadoc | Declaration | Console

```
<terminated> Project1 [Java Application] C:\Users\hello\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
Weight 1: 11 lbs 3.00 oz
Weight 2: 8 lbs 4.00 oz
Weight 3: 14 lbs 6.00 oz

Minimum Weight is:
==> 8 lbs 4.00 oz
Maximum Weight is:
==> 14 lbs 6.00 oz
The Average Weight is:
==> 12 lbs 4.33 oz
```

Test Case #2



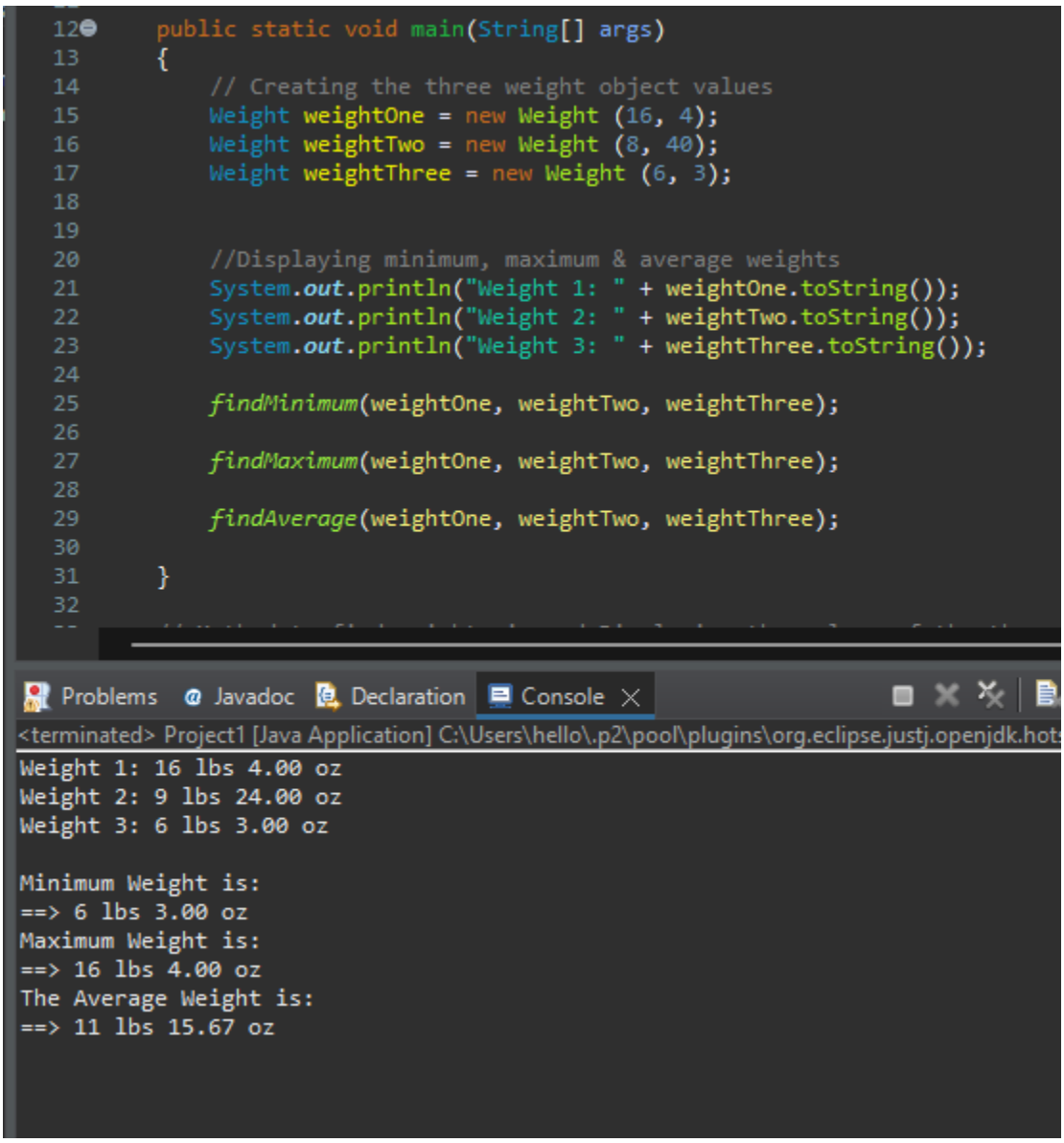
```
public class Project1
{


    public static void main(String[] args)
    {
        // Creating the three weight object values
        Weight weightOne = new Weight (30, 2);
        Weight weightTwo = new Weight (14, 0);
        Weight weightThree = new Weight (1, 17);


        //Displaying minimum, maximum & average weights
        System.out.println("Weight 1: " + weightOne.toString());
        System.out.println("Weight 2: " + weightTwo.toString());
        System.out.println("Weight 3: " + weightThree.toString());

        findMinimum(weightOne, weightTwo, weightThree);

        findMaximum(weightOne, weightTwo, weightThree);

        findAverage(weightOne, weightTwo, weightThree);

    }
```

Problems | Javadoc | Declaration | Console

<terminated> Project1 [Java Application] C:\Users\hello\.p2\pool\plugins\org.eclipse.justj.openjdk.hots

```
Weight 1: 30 lbs 2.00 oz
Weight 2: 14 lbs 0.00 oz
Weight 3: 2 lbs 1.00 oz

Minimum Weight is:
==> 2 lbs 1.00 oz
Maximum Weight is:
==> 30 lbs 2.00 oz
The Average Weight is:
==> 16 lbs 6.33 oz
```

Test Case #3



```
12      public static void main(String[] args)
13      {
14          // Creating the three weight object values
15          Weight weightOne = new Weight (16, 4);
16          Weight weightTwo = new Weight (8, 40);
17          Weight weightThree = new Weight (6, 3);
18
19
20          //Displaying minimum, maximum & average weights
21          System.out.println("Weight 1: " + weightOne.toString());
22          System.out.println("Weight 2: " + weightTwo.toString());
23          System.out.println("Weight 3: " + weightThree.toString());
24
25          findMinimum(weightOne, weightTwo, weightThree);
26
27          findMaximum(weightOne, weightTwo, weightThree);
28
29          findAverage(weightOne, weightTwo, weightThree);
30
31      }
32
```

Problems | Javadoc | Declaration | Console

<terminated> Project1 [Java Application] C:\Users\hello\.p2\pool\plugins\org.eclipse.justj.openjdk.hot

```
Weight 1: 16 lbs 4.00 oz
Weight 2: 9 lbs 24.00 oz
Weight 3: 6 lbs 3.00 oz

Minimum Weight is:
==> 6 lbs 3.00 oz
Maximum Weight is:
==> 16 lbs 4.00 oz
The Average Weight is:
==> 11 lbs 15.67 oz
```