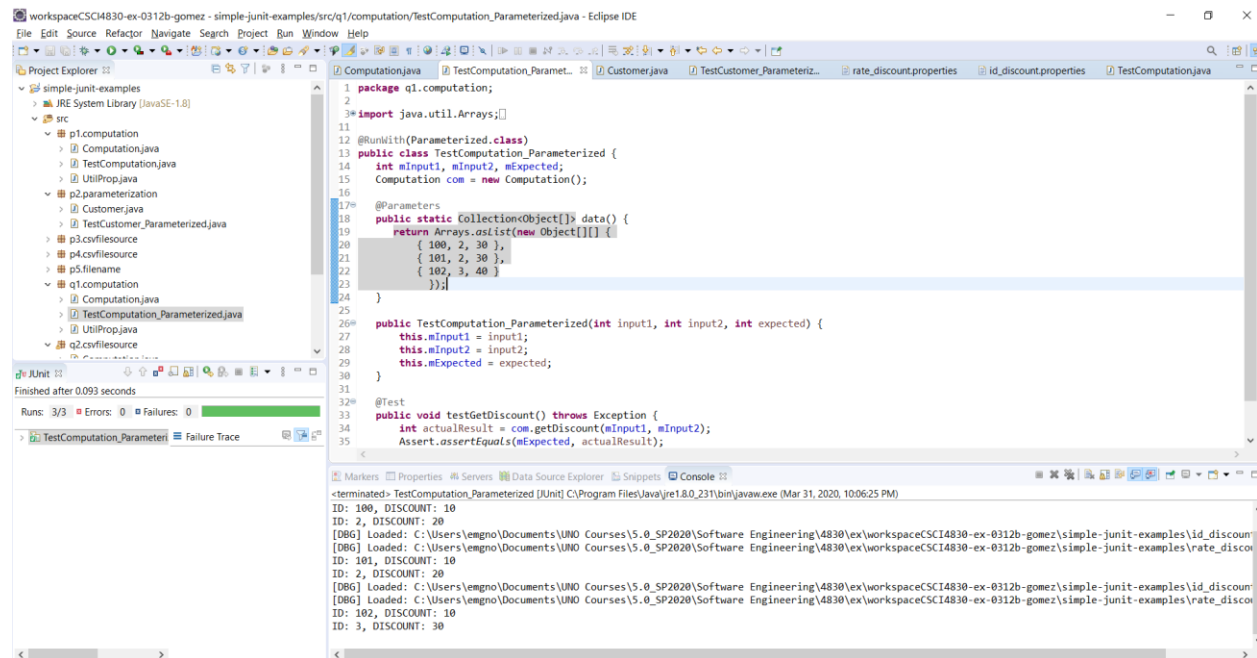


Emily Gomez

03/12b

<https://github.com/gomezem/classwork/tree/master/workspaceCSCI4830-ex-0312b-gomez>

Q1

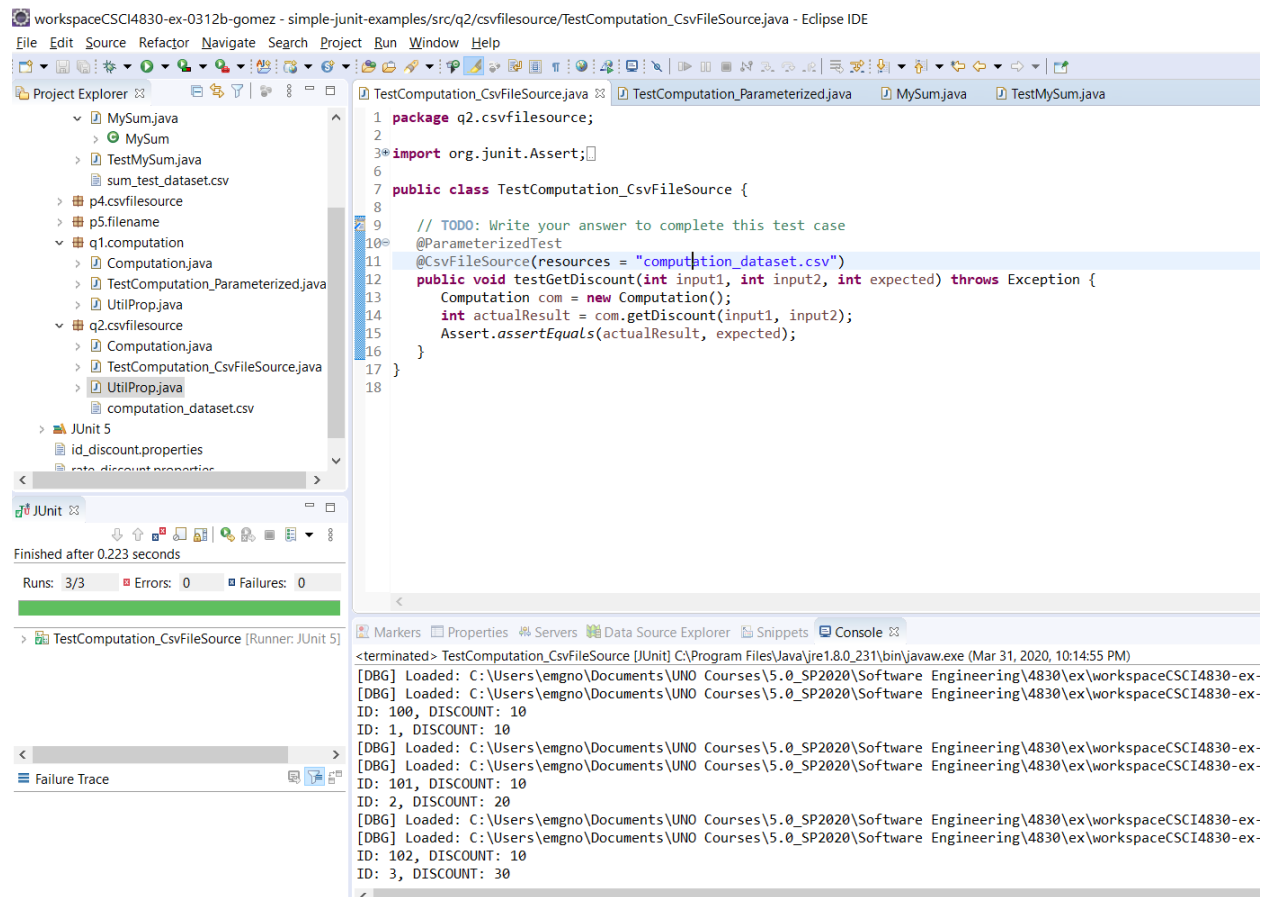


```
1 package q1.computation;
2
3 import java.util.Arrays;
4
5 @RunWith(Parameterized.class)
6 public class TestComputation_Parameterized {
7     int mInput1, mInput2, mExpected;
8     Computation com = new Computation();
9
10    @Parameters
11    public static Collection<Object[]> data() {
12        return Arrays.asList(new Object[][] {
13            { 100, 2, 30 },
14            { 101, 2, 30 },
15            { 102, 3, 40 }
16        });
17    }
18
19    public TestComputation_Parameterized(int input1, int input2, int expected) {
20        this.mInput1 = input1;
21        this.mInput2 = input2;
22        this.mExpected = expected;
23    }
24
25    @Test
26    public void testGetDiscount() throws Exception {
27        int actualResult = com.getDiscount(mInput1, mInput2);
28        Assert.assertEquals(mExpected, actualResult);
29    }
30}
```

JUnit 5
Finished after 0.093 seconds
Runs: 3/3 Errors: 0 Failures: 0
TestComputation_Parameterized [Runner: JUnit 5]

Console
<terminated> TestComputation_Parameterized [JUnit] C:\Program Files\Java\jre1.8.0_231\bin\javaw.exe (Mar 31, 2020, 10:06:25 PM)
ID: 100, DISCOUNT: 10
ID: 2, DISCOUNT: 20
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\id_discount
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\rate_discount
ID: 101, DISCOUNT: 10
ID: 2, DISCOUNT: 20
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\id_discount
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\rate_discount
ID: 102, DISCOUNT: 10
ID: 3, DISCOUNT: 30

Q2



```
1 package q2.csvfilesource;
2
3 import org.junit.Assert;
4
5 public class TestComputation_CsvFileSource {
6
7     // TODO: Write your answer to complete this test case
8     @ParameterizedTest
9     @CsvFileSource(resources = "computation_dataset.csv")
10    public void testGetDiscount(int input1, int input2, int expected) throws Exception {
11        Computation com = new Computation();
12        int actualResult = com.getDiscount(input1, input2);
13        Assert.assertEquals(actualResult, expected);
14    }
15}
```

JUnit 5
Finished after 0.223 seconds
Runs: 3/3 Errors: 0 Failures: 0
TestComputation_CsvFileSource [Runner: JUnit 5]

Console
<terminated> TestComputation_CsvFileSource [JUnit] C:\Program Files\Java\jre1.8.0_231\bin\javaw.exe (Mar 31, 2020, 10:14:55 PM)
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\computation_dataset.csv
ID: 100, DISCOUNT: 10
ID: 1, DISCOUNT: 10
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\computation_dataset.csv
ID: 101, DISCOUNT: 10
ID: 2, DISCOUNT: 20
[DBG] Loaded: C:\Users\emgno\Documents\UNO Courses\5.0_SP2020\Software Engineering\4830\ex\workspaceCSCI4830-ex-0312b-gomez\simple-junit-examples\computation_dataset.csv
ID: 102, DISCOUNT: 10
ID: 3, DISCOUNT: 30