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Laboratory Exercise 3

LE 3.1 Person

```
Problems  @ Javadoc  Declaration  Console  X
<terminated> LE3_1 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.openjdl
Enter the Name of Person 1: John
Enter the Age of Person 1: 19
Enter the Name of Person 2: Enrico
Enter the Age of Person 2: 20
Person 1 and Person 2 are equal: false
Person 1 and Person 2 have the same name: false
Person 1 and Person 2 have the same age: false
Person 1 is older than Person 2: false
Person 2 is younger than Person 1: false
```

```
Problems  @ Javadoc  Declaration  Console  X
<terminated> LE3_1 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.openjd
Enter the Name of Person 1: Enrico
Enter the Age of Person 1: 20
Enter the Name of Person 2: John
Enter the Age of Person 2: 19
Person 1 and Person 2 are equal: false
Person 1 and Person 2 have the same name: false
Person 1 and Person 2 have the same age: false
Person 1 is older than Person 2: true
Person 2 is younger than Person 1: true
```

```
Problems  @ Javadoc  Declaration  Console  X
<terminated> LE3_1 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.oper
Enter the Name of Person 1: John
Enter the Age of Person 1: 20
Enter the Name of Person 2: John
Enter the Age of Person 2: 20
Person 1 and Person 2 are equal: true
Person 1 and Person 2 have the same name: true
Person 1 and Person 2 have the same age: true
Person 1 is older than Person 2: false
Person 2 is younger than Person 1: false
```

LE 3.2 Rectangle

```
Problems  @ Javadoc  Declaration  Console X
<terminated> LE3_2 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot
Enter width 1: 4
Enter height 1: 40
Enter width 2: 3.5
Enter height 2: 35.9

***** Rectangle 1 *****
Width 1 = 4.0
Height 1 = 40.0
Area of the first Rectangle = 160.0
Perimeter of the first Rectangle = 88.0

***** Rectangle 2 *****
Width 2 = 3.5
Height 2 = 35.9
Area of the second Rectangle = 125.64999999999999
Perimeter of the second Rectangle = 78.8
```

```
Problems  @ Javadoc  Declaration  Console X
<terminated> LE3_2 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.ope
Enter width 1: 8
Enter height 1: 2.8
Enter width 2: 5
Enter height 2: 10

***** Rectangle 1 *****
Width 1 = 8.0
Height 1 = 2.8
Area of the first Rectangle = 22.4
Perimeter of the first Rectangle = 21.6

***** Rectangle 2 *****
Width 2 = 5.0
Height 2 = 10.0
Area of the second Rectangle = 50.0
Perimeter of the second Rectangle = 30.0
```

LE 3.3 Grade Distribution

```
Problems  @ Javadoc  Declaration  Console  X
<terminated> LE3_3 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.openjdk.hotsp
Enter the number of Grade A: 3
Enter the number of Grade B: 4
Enter the number of Grade C: 5
Enter the number of Grade D: 2
Enter the number of Grade F: 1

The total number of Grades = 15

0  10  20  30  40  50  60  70  80  90  100%
|   |   |   |   |   |   |   |   |   |   |
**************************************************
********** A - 20.0%
************* B - 26.666666666666668%
**************** C - 33.33333333333333%
******* D - 13.333333333333334%
*** F - 6.666666666666667%
```

```
Problems  @ Javadoc  Declaration  Console  X
<terminated> LE3_3 [Java Application] C:\Users\johne\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot
Enter the number of Grade A: 1
Enter the number of Grade B: 4
Enter the number of Grade C: 6
Enter the number of Grade D: 2
Enter the number of Grade F: 1

The total number of Grades = 14

0  10  20  30  40  50  60  70  80  90  100%
|   |   |   |   |   |   |   |   |   |   |
**************************************************
**** A - 7.142857142857142%
************* B - 28.57142857142857%
******************* C - 42.857142857142854%
******* D - 14.285714285714285%
**** F - 7.142857142857142%
```