Sarah St. Albin
TCSS 502 Object Oriented Programming
Assignment #4

DrawingProgramMain Output Capture

Original list of shapes and the list of shapes after sorting

```
/Users/sarahstalbin/PycharmProjects/saltyforever/venv/bin
Original List of Shapes:
Circle, area: 50.24, perimeter: 25.12
Triangle, area: 23.525252389719434, perimeter: 11.5
Square, area: 16, perimeter: 16
Rectangle, area: 35, perimeter: 24


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Sorted List of Shapes:
Circle, area: 50.24, perimeter: 25.12
Rectangle, area: 35, perimeter: 24
Square, area: 16, perimeter: 16
Triangle, area: 23.525252389719434, perimeter: 11.5
```

List of shapes after adding more shapes and list of shapes after shapes were replaced at index 1 and 3

```
Updated List with New Shapes:
Circle, area: 50.24, perimeter: 25.12
Rectangle, area: 35, perimeter: 24
Square, area: 16, perimeter: 16
Triangle, area: 23.525252389719434, perimeter: 11.5
Circle, area: 12.56, perimeter: 12.56
Triangle, area: 2.9047375096555625, perimeter: 4.5
Square, area: 36, perimeter: 24
Rectangle, area: 99, perimeter: 40


Updated List with Replacement Shapes:
Circle, area: 50.24, perimeter: 25.12
Triangle, area: 10.928746497197197, perimeter: 10.5
Square, area: 16, perimeter: 16
Circle, area: 254.34, perimeter: 56.52
Circle, area: 12.56, perimeter: 12.56
Triangle, area: 2.9047375096555625, perimeter: 4.5
Square, area: 36, perimeter: 24
Rectangle, area: 99, perimeter: 40
```

Final sorted list of shapes

```
Sorted List of Shapes:
Circle, area: 12.56, perimeter: 12.56
Circle, area: 50.24, perimeter: 25.12
Circle, area: 254.34, perimeter: 56.52
Rectangle, area: 99, perimeter: 40
Square, area: 16, perimeter: 16
Square, area: 36, perimeter: 24
Triangle, area: 2.9047375096555625, perimeter: 4.5
Triangle, area: 10.928746497197197, perimeter: 10.5
```