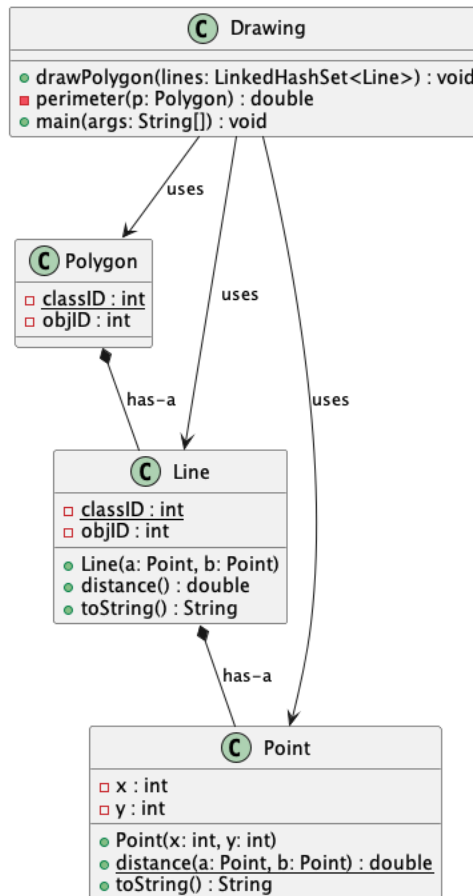


## Exercise 1:

Drawing.java Class Diagram:



## Exercise 2:

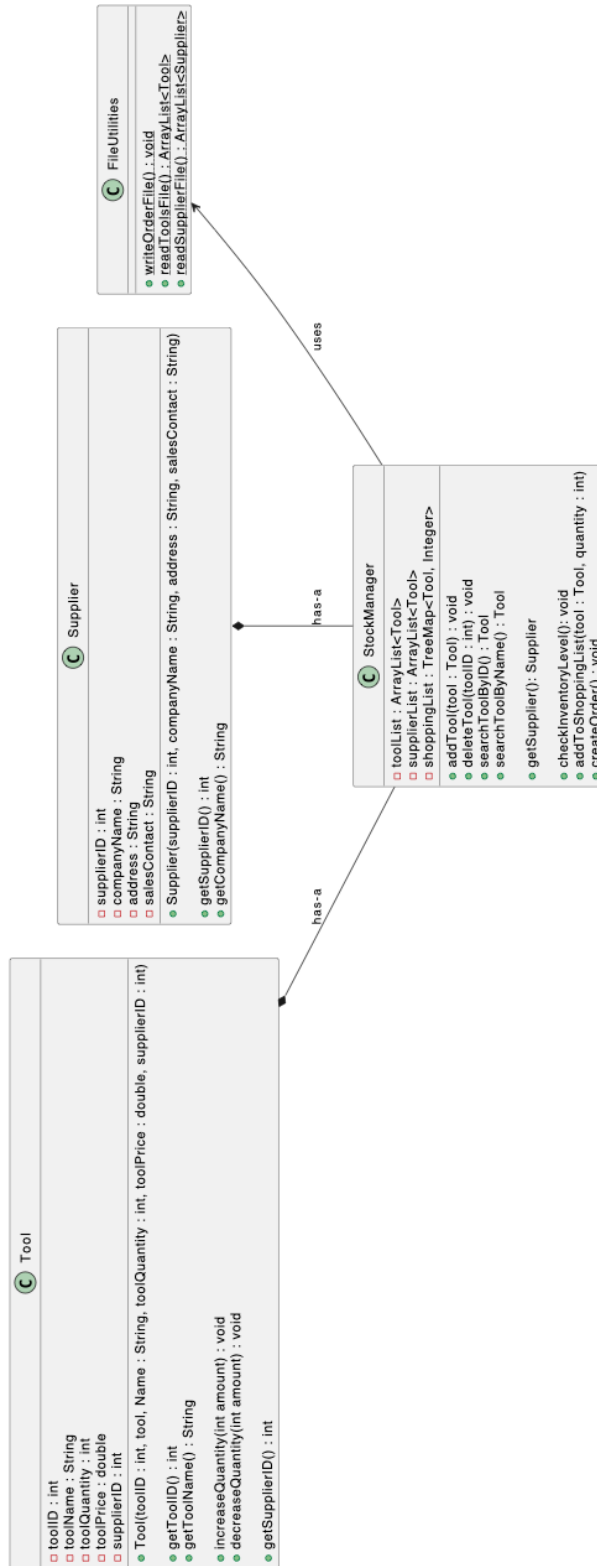
Program Output:

```
<terminated> Drawing [Java Application] /Users/redge/.p2/pool/plugins/org.d
The lines in polygon 1 are:
Line 1: starts at (20, 30), and ends at (50, 100)
Line 2: starts at (50, 100), and ends at (105, 30)
Line 3: starts at (105, 30), and ends at (20, 30)
The perimeter of the polygon 1 is 250.18:
The lines in polygon 2 are:
Line 4: starts at (120, 130), and ends at (150, 200)
Line 5: starts at (150, 200), and ends at (200, 130)
Line 6: starts at (200, 130), and ends at (120, 130)
The perimeter of the polygon 2 is 242.18:
The lines in polygon 3 are:
Line 7: starts at (320, 330), and ends at (250, 400)
Line 8: starts at (250, 400), and ends at (400, 330)
Line 9: starts at (400, 330), and ends at (320, 330)
The perimeter of the polygon 3 is 344.52:
```

Code:

in 607-a1-exercise-2.zip

Exercise 3:  
StockManager Class Diagram:



# Assignment 1

## Exercise 4:

### Sample Outputs:

#### Sample Output 1:

```
<terminated> Game [Java Application] /Users/redge/.p2/pool/plugins/org.eclipse.just

Please enter the name of the 'X' player: X
Please enter the name of the 'O' player: O
Referee started the game...

|col 0|col 1|col 2|
+-----+
row 0 |   |   |   |
+-----+
row 1 |   |   |   |
+-----+
row 2 |   |   |   |
+-----+

X, what row should your next X be placed in? 0
X, what column should your next X be placed in? 0
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 |   |   |   |
+-----+
row 2 |   |   |   |
+-----+

O, what row should your next O be placed in? 1
O, what column should your next O be placed in? 1
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 |   | O |   |
+-----+
row 2 |   |   |   |
+-----+

X, what row should your next X be placed in? 2
X, what column should your next X be placed in? 2
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 |   | O |   |
+-----+
row 2 |   |   | X |
+-----+

THE GAME IS OVER: X is the winner!
Game Ended ...
```

```
O, what row should your next O be placed in? 2
O, what column should your next O be placed in? 0
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 |   | O |   |
+-----+
row 2 | O |   | X |
+-----+

X, what row should your next X be placed in? 0
X, what column should your next X be placed in? 2
|col 0|col 1|col 2|
+-----+
row 0 | X |   | X |
+-----+
row 1 |   | O |   |
+-----+
row 2 | O |   | X |
+-----+

O, what row should your next O be placed in? 0
O, what column should your next O be placed in? 1
|col 0|col 1|col 2|
+-----+
row 0 | X | O | X |
+-----+
row 1 |   | O |   |
+-----+
row 2 | O |   | X |
+-----+

X, what row should your next X be placed in? 1
X, what column should your next X be placed in? 2
|col 0|col 1|col 2|
+-----+
row 0 | X | O | X |
+-----+
row 1 |   | O | X |
+-----+
row 2 | O |   | X |
+-----+

THE GAME IS OVER: X is the winner!
Game Ended ...
```

Sample Output 2:

```
<terminated> Game [Java Application] /Users/redge/.p2/pool/plugins/org.eclipse.just
Please enter the name of the 'X' player: Red
Please enter the name of the 'O' player: Blue
Referee started the game...

|col 0|col 1|col 2|
+-----+
row 0 |   |   |   |
+-----+
row 1 |   |   |   |
+-----+
row 2 |   |   |   |
+-----+

Red, what row should your next X be placed in? 0
Red, what column should your next X be placed in? 0
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 |   |   |   |
+-----+
row 2 |   |   |   |
+-----+

Blue, what row should your next O be placed in? 1
Blue, what column should your next O be placed in? 0
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 | O |   |   |
+-----+
row 2 |   |   |   |
+-----+

Red, what row should your next X be placed in? 1
Red, what column should your next X be placed in? 1
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 | O | X |   |
+-----+
row 2 |   |   |   |
+-----+
```

```
<terminated> Game [Java Application] /Users/redge/.p2/pool/plugins/org.eclipse.jus
Blue, what row should your next O be placed in? 2
Blue, what column should your next O be placed in? 2
|col 0|col 1|col 2|
+-----+
row 0 | X |   |   |
+-----+
row 1 | O | X |   |
+-----+
row 2 |   |   | O |
+-----+

Red, what row should your next X be placed in? 0
Red, what column should your next X be placed in? 2
|col 0|col 1|col 2|
+-----+
row 0 | X |   | X |
+-----+
row 1 | O | X |   |
+-----+
row 2 |   |   | O |
+-----+

Blue, what row should your next O be placed in? 2
Blue, what column should your next O be placed in? 0
|col 0|col 1|col 2|
+-----+
row 0 | X |   | X |
+-----+
row 1 | O | X |   |
+-----+
row 2 | O |   | O |
+-----+

Red, what row should your next X be placed in? 2
Red, what column should your next X be placed in? 1
|col 0|col 1|col 2|
+-----+
row 0 | X |   | X |
+-----+
row 1 | O | X |   |
+-----+
row 2 | O | X | O |
+-----+
```

Assignment 1

```

Blue, what row should your next 0 be placed in? 0
Blue, what column should your next 0 be placed in? 1
|col 0|col 1|col 2|
+-----+
row 0 |  X  |  0  |  X  |
+-----+
row 1 |  0  |  X  |     |
+-----+
row 2 |  0  |  X  |  0  |
+-----+

Red, what row should your next X be placed in? 1
Red, what column should your next X be placed in? 2
|col 0|col 1|col 2|
+-----+
row 0 |  X  |  0  |  X  |
+-----+
row 1 |  0  |  X  |  X  |
+-----+
row 2 |  0  |  X  |  0  |
+-----+

DRAW!
Game Ended ...

```

Code:

in **607-a1-exercise-4-source.zip** and **607-a1-exercise-4-javadoc.zip**