Report 01

1. Reflection

In this assessment, I learned to establish the Java coding environment, IDE installation, as well as running Java programs by IDE, command line and online compiler.

I learned to create class, instance and write a driver in a Java project. In terms of test, I learned to write simple unit tests for the program and utilizing a few modules in junit.

2. Required Task Elements

Part 5: Running an Existing Project and Running JUnit Tests IntelliJ project screen shot

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```

Test for person class, 3 passed



Test for book class, 3 passed

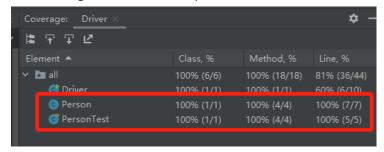
```
* A JUnit test class for the Book class * Tests passed: 3 of 3 tests - 2 ms

Run 'BookTest' Ctrl+Shift+F10

Debug 'BookTest' with Coverage Modify Run Configuration...

Process finished with exit code 0
```

The coverage of booktest and persontest is 100%



Part 6: Documenting Your Code

Top comment block

Class comment block

Function comment block

Generated Java Doc

All Classes

Class Sallillary	
Class	Description
Book	This class represents a book.
BookTest	A JUnit test class for the Book class.
Driver	This class is a Junit test driver to run all the tests of the project lab_o.
Person	This class represents a person The person has a first name, last name and an year of birth.
PersonTest	A JUnit test class for the Person class.

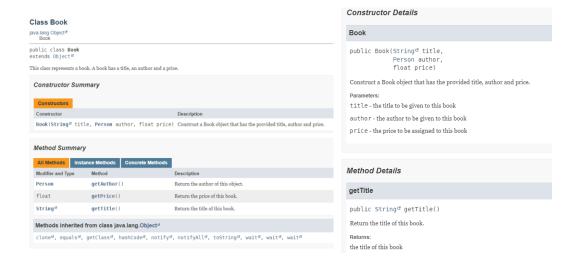
Hierarchy For All Packages

Class Hierarchy

- java.lang.Object[™]

 - Book
 BookTest
 Driver

 - PersonPersonTest



3. Extensions

I tried different methods to give more interesting properties to my drawings, extensions are as follows.

- Provide screenshots of both Eclipse and IntelliJ
- High quality submission
- Created a driver for this application.
- Submitted code as a GitHub link instead

Grading Statement

Both two python files are functioning well without significant error, scaling is added in both python files, the report is also provided.

I tried to create a self-designed logo and a complicated rose pattern, and let my submission more creative, also I learned different advanced methods in turtle, which were not taught in class, and applied them in my assignment.

For the above reasons, I think this work deserves a full mark.

	Possible	Given	
Main Objectives			
Simple functionality with shapeOne.py ✓	6	0	
Simple functionality with shapeTwo.py $\sqrt{}$	6	0	
Scaling added to shapeTwo.py	6	0	
Misc			
Report √	4	0	
Code Quality (correct indentation, comment blocks, variable naming, etc)	4	0	
Not included in total possible:			
Extensions (Not calculated without report)	4	0	
Creative or went above and beyond	4	0	
Code does not compile	-30	0	
Late penalty	-6	0	
Not implemented as requested	-30	0	
	•		
TOTAL POINTS POSSIBLE out of 30	26	0	