**Lab: 1**

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| **Problem statement(s)**  **EX1:** Familiarize self with IntelliJ and follow the guide.  **EX2:** Create an abstract ‘Shape’ class which shapes can inherit from. The shape classes should print information relevant to themselves.  **EX3:** Create an abstract ‘Employee’ class which employees, specifically managers, sales and development can inherit from. Each employee print information such as their role, name, date of birth and salary. |

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| **Program description(s)**  **EX1:** I notice that the file project file location corresponds to the windows directory location.  **EX2:** Each shape prints a string stating that it’s black, followed by details such as its center co-ordinate, length and width.  **EX3:** Prints out each employee’s name, salary, date of birth, role and some information applicable to their role. |

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| **Test description**  It is a very simple program so running the program and assuring the output is correct should be necessary testing. |
| **Known bugs**  - |
| **Possible improvements**  The ‘draw’ method for shapes could draw the shape instead of printing information. |
| **Comments**  Helped me get used to Java again. |
| **Extra credit**  There wasn’t much extra to do for a simple program such as this, so I formatted the output to be neat and grammatically correct, also separating information with vertical bars where necessary. |
| **References**  **-** |