**CMIS242 Rubric for**

**Project 1**

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| Criteria | Meets | Does Not Meet |
| ***Employee Class*** | 25 points  Contains the employee's name and monthly salary, which is specified in whole dollars.  Contains a constructor that allows the name and monthly salary to be initialized.  Contains a method named annualSalary that returns the salary for a whole year.  Contains a toString method that returns a string containing the name and monthly salary, appropriately labeled. | 0 points  Does not contain the employee's name and monthly salary, which is specified in whole dollars.  Does not contain a constructor that allows the name and monthly salary to be initialized.  Does not contain a method named annualSalary that returns the salary for a whole year.  Does not contain a toString method that returns a string containing the name and monthly salary, appropriately labeled.  Code does not Compile. |
| ***Salesman Class*** | 15 points  Is a subclass of Employee.  Contains an additional instance variable that contains the annual sales in whole dollars for that salesman.   Contains a constructor that allows the name, monthly salary and annual sales to be initialized.  Contains an overridden method annualSalary that returns the salary for a whole year. The salary for a salesman consists of the base salary computed from the monthly salary plus a commission. The commission is computed as 2% of that salesman's annual sales. The maximum commission a salesman can earn is $20,000.  Contains an overridden toString method that returns a string containing the name, monthly salary and annual sales, appropriately labeled. | 0 points  s not a subclass of Employee.  Does not contain an additional instance variable that contains the annual sales in whole dollars for that salesman.   Does not contain a constructor that allows the name, monthly salary and annual sales to be initialized.  Does not contain an overridden method annualSalary that returns the salary for a whole year. The salary for a salesman consists of the base salary computed from the monthly salary plus a commission. The commission is computed as 2% of that salesman's annual sales. The maximum commission a salesman can earn is $20,000.  Does not contain an overridden toString method that returns a string containing the name, monthly salary and annual sales, appropriately labeled.  Code does not Compile. |
| ***Executive Class*** | 15 points  Is a subclass or Employee  Contains an additional instance variable that reflects the current stock price.  Contains a constructor that allows the name, monthly salary and stock price to be initialized.  Contains an overridden method annualSalary that returns the salary for a whole year. The salary for an executive consists of the base salary computed from the monthly salary plus a bonus. The bonus is $30,000 if the current stock price is greater than $50 and nothing otherwise.  Contains an overridden toString method that returns a string containing the name, monthly salary and stock price, appropriately labeled. | 0 points  Is not a subclass or Employee  Does not contain an additional instance variable that reflects the current stock price.  Does not contain a constructor that allows the name, monthly salary and stock price to be initialized.  Does not contain an overridden method annualSalary that returns the salary for a whole year. The salary for an executive consists of the base salary computed from the monthly salary plus a bonus. The bonus is $30,000 if the current stock price is greater than $50 and nothing otherwise.  Does not contain an overridden toString method that returns a string containing the name, monthly salary and stock price, appropriately labeled.  Code does not Compile. |
| ***Main Method Class*** | 25 points  Contains the main method.  Reads in employee information from a text file.  As the employees are read in, Employee objects of the appropriate type are created and stored in one of two arrays depending upon the year.  Once all the employee data is read in, a report displays on the console for each of the two years.  Each line of the report contains all original data supplied for each employee together with that employee's annual salary for the year.  For each of the two years, an average of all salaries for all employees for that year is computed and displayed. | 0 points  Does not contain the main method.  Does not reads in employee information from a text file.  As the employees are read in, Employee objects of the appropriate type are not created and stored in one of two arrays depending upon the year.  Does not contain the main method.  Does not reads in employee information from a text file.  As the employees are read in, Employee objects of the appropriate type are not created and stored in one of two arrays depending upon the year.  Once all the employee data is read in, a report is not displayed on the console for each of the two years.  Each line of the report does not contain all original data supplied for each employee together with that employee's annual salary for the year.  For each of the two years, an average of all salaries for all employees for that year is not computed and displayed.  Code does not Compile. |
| ***Test Cases*** | 10 points  Test cases are supplied in the form of table with columns indicating the input values, expected output, actual output and if the test case passed or failed.  Enough employees selected to completely test the program.  Test cases were included in the supporting word or PDF documentation. | 0 points  No test cases were provided. |
| ***Documentation and Style guide*** | 10 points  Screen captures were provided and labeled for compiling your code, and running each of your  test cases.  Header comments include filename, author, date and brief purpose of the program.  In-line comments used to describe major functionality of the code.  Meaningful variable names and prompts applied.  Class names are written in UpperCamelCase.  Variable names are written in lowerCamelCase.  Constant names are in written in All Capitals.  Braces use K&R style**.**  Declare all instance variables private.  Avoids the duplication of code. | 0 points  No documentation included.  Java style guide was not used to prepare the Java code.  All instance variables not declared private.  Duplication of code was not avoided. |
| ***Overall Score*** | Meets 70 or More | Does Not Meet 0 Or More |