***[***

**PROJECT Bank record generations 100 points**

**Objective** To write a program that performs data analysis from class objects created in lab #2.

***PROJECT DESCRIPTION***

Bank of IIT is in desperate need of analytics from its clients for its loan application process. Currently records show 600 clients exist and the bank is hoping to *expand* it’s clientele and it’s potential by offering premium loans to deserved grantees.

Perform the data analysis as follows for this lab.

***Project Details***

-Add to your existing project files from lab 2, a new class called **Records**. Have the class *extend* the BankRecords class to grab hold of its instance methods plus the BankRecord object array.

-Provide at least 2 comparator classes implementing the **java.util.Comparator** interfacefor comparing various fields for the following data analysis requirements.

-Perform the following analysis requirements and output detail for the Records class

Display the following data analytics in a coherent manner to the console:

* average income for males vs. females
* number of females with a mortgage and savings account
* number of males with both a car and 1 child per location

Write all displayed data to a text file called *bankrecords.txt* relative to your project path as well. Append your name within the text file at the end of the file plus the date/time.

Include all your source code including supportive classes, console output and a snapshot of your bankrecords.txt file into a Word doc file as well your entire app, including an executable jar file of your app in a zip file for credit.