***[***

**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 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 its instance methods plus the BankRecord object array.

-Provide comparator classes implementing ***java.util.Comparator***for comparing various fields for the application’s data analysis requirements.

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

Display the following data analytics to the console:

* average income per location
* max and min income per location
* number of females with both a mortgage and savings account per location
* 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 to the end of the file plus the date.

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