***[***

**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 its clientele and its 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 BankRecords 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

Make sure to include a try catch block when reading from or writing to any file! Include also proper exception handling.

Include your project’s entire source code/.csv/bankrecords.txt file into a zip file, and in a separate Word file, your console output snapshot and snapshot of your **bankrecords.txt** file, a program description and all your source code (all java files) as well.