***[***

**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

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 for credit, your project files including your .csv file and bankrecords.txt file into a zip file, also your jar (executable) file as well as a separate file, and your snapshots of console output and your bankrecords.txt file plus your source code into a Word doc file.