**PROJECT Bank record generations 100 points**

**Objective** To write a program that parses and processes bank data from a file.

***PROJECT DESCRIPTION***

Bank of IIT has gotten their hands on some interesting data which will allow for possible loans to various clients from various regions.

Accompanying the labs specs is a csv (comma separated value) file named

**bank-Detail.csv** which contains valuable raw data to allow the bank to process loans based on client details from the file.

You need to parse the data and print record data for future loan considerations.

***Project Details***

-Create an abstract class called Client.java to allow for three abstract methods the bank needs to process. Name your methods readData(), processData() and printData().

-Create a BankRecords.java file which will utilize the Client asbtract methods and generate ultimately the client records from the csv file.

The client file has the following header information

id {string}

age {numeric}

sex {FEMALE,MALE}

region {INNER\_CITY,TOWN,RURAL,SUBURBAN}

income {numeric}

married {NO,YES}

children {0,1,2,3}

car {NO,YES}

save\_act {NO,YES}

current\_act {NO,YES}

mortgage {NO,YES}

pep {YES,NO}

Create instance fields for each header item above in your class.

Include getter and setters for each instance field.

-Include code definitions for each method declared in your Client class as follows

Your readData() method should read in all the record data from the csv file in your path

into an ArrayList.

Your processData() method should take all the record data from your ArrayList and add the data into each of your instance fields via your setters.

Your printData() method should print the first 25 records for various fields to the console via your getters. Print records for the following fields:

ID, AGE, SEX, REGION, INCOME, and MORTGAGE.

Include headings in your print detail.

Make sure to include a try catch block when reading any file!

Include your project’s entire source code into a zip file as well as your console output and source code into a doc file for credit.