**Readme**

**CSL 310 Assignment 3**

To run and complie  code:-

 java -cp .:./mysql-connector-java-5.1.46/mysql-connector-java-5.1.46-bin.jar Bank -i or -q

I have used the java jdbc class to connect to database and give queries and have generated random values from various different arrays.i have implemented the banking transactions system .

I have used the names.txt to get generate some random names and used some predefined arrays to generate random values.

I have assumed the input in the properties file for login credentials and used the queries are read from the queries.properties.

Up

I have calculated the transactions from opening date till given date specified in the file and checked for consistency.

I have used the .

I have used first the dictionary to save the key-value pairs of account\_id as key and list of current\_balance and opening date  as values.

I have used the prepared statements to execute the queries and i have inserted 10 account holders per city and 2 bank account per person one saving and one current . I have added the transactions then after storing the active accounts in dictionary.

Sample Output:-

Query2

Category      Total\_Spending

 entertainment    2219

 salary    1453

 dining    1254

   grocery    2117

   medical    6363

money transfer    3195

phone bill    1887

    Tax    2492

Query3:

Query3:-

Enter month:

5

Enter city :

Ropar

Category      Total\_Spending

 entertainment   24264

 salary   29429

 dining   17911

   grocery   26472

   medical   23425

money transfer   24974

phone bill   23165

    Tax   22695

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