Term: Fall 2018
Assignment 3

Create Database/ print schema

We created this database already in class, but just in case, here is the code. You can find the schema here. Might be useful to print this schema before starting your assignment.

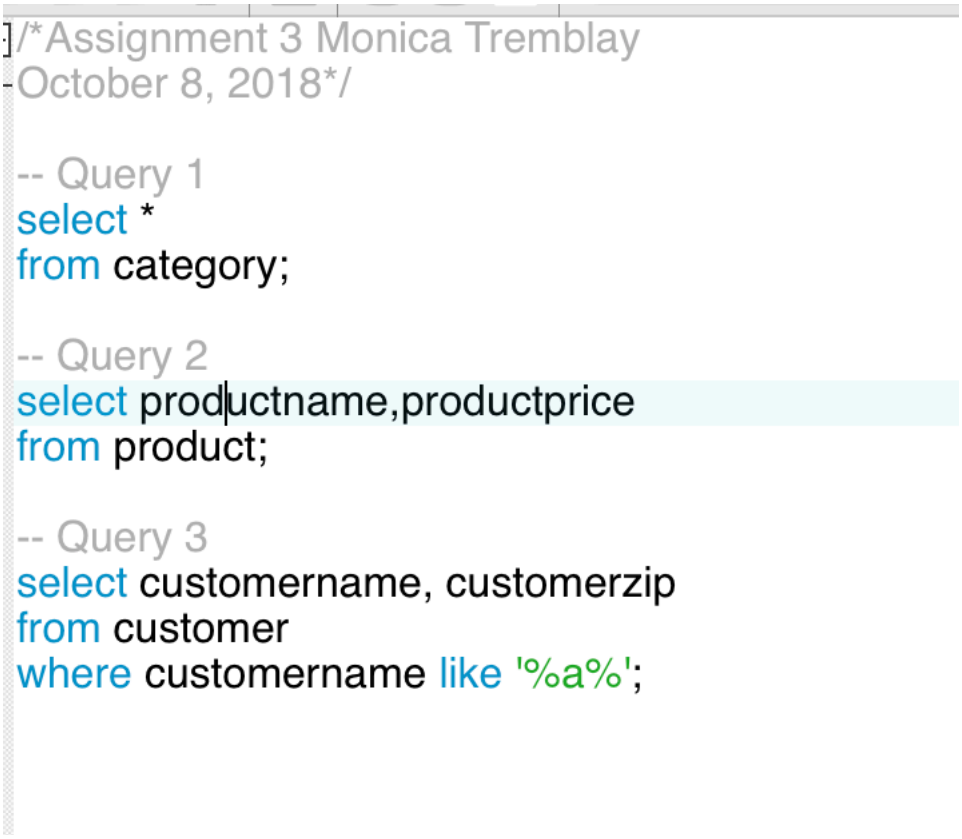
SQL Queries using LearningSQL Database

1. How many employees work for the bank?
2. List they First Name, Last name, Title, and Start Date for all employees.
3. Create a list of all employees that are tellers order by start date – list first name, last name.
4. Write a query that counts how many employees work at headquarters.
5. Create a list of all employees that work at Headquarters. List first name, last name, title.
6. List branch name and number of total number of employees for each branch.
7. Retrieve one instance of all the different product type codes from the product table.
8. List the product name for all the products that contain the word "account".
9. List the first name, last name and birthdate of all individual customers. Order by birthdate ascending.
10. Retrieve the average, min and max available balance for all accounts.
11. Retrieve the account type, average, min and max available balance for each type of account.
12. List Customer ID, total number of accounts where the balance is greater than $1000.
13. List Customer ID, total number of accounts, average balance where the balance is greater than $1000.
14. List Customer ID, total number of accounts, average balance for each customer where the **average balance** for a customer is greater than $1000.
15. List the maximum pending balance by Open Branch ID, Product Code where the max pending balance is greater than 2000
16. List the maximum pending balance by Open Branch Name, Product Name where the max pending balance is greater than 2000.
17. For each account whose available balance is below the average of all available balances, retrieve the account ID, customer ID, product code and opening branch id
18. For each account whose available balance is below the average of all available balances, retrieve the account ID, customer Last Name, customer first name, product name and opening branch name (use individual customer table). Order by customer Last Name.
19. For each individual customer that has more than two accounts, retrieve the customer last name, first name.
20. For each employee, list their last name, first name, number of years with company (using today's date and a column heading of 'years with company') and their supervisor's last name. Order by supervisor last name.
21. For each supervisor, list their last name (use the column heading 'Supervisor Last Name') and the number of employees supervised (use the column heading 'Number of employees')

22. Retrieve all records for open back accounts
23. Return all records from the *account* table where there are **no** records in the *ACC_TRANSACTION* table for the given account_id.
24. Create a View, '*ACTIVE_ACCOUNTS*', for all records from the *account* table where there are records in the *ACC_TRANSACTION* table for the given account_id.
25. For all active accounts, list the product_cd (possible values are cd, chk, mm, sav), and the average, min and max available balance.

Turning in your assignment

Put all your queries in one SQL document named YourLastName_YourFirstName.sql. Use a comment to add your name, assignment number and date. Label each query with the numbers listed above. The following screenshot is an example with ZAGI Queries.



```
/*Assignment 3 Monica Tremblay
October 8, 2018*/

-- Query 1
select *
from category;

-- Query 2
select productname,productprice
from product;

-- Query 3
select customername, customerzip
from customer
where customername like '%a%';
```