Cruz Chavez: Homework 5

Create Statements:

```
CREATE TABLE branch (
branch_name varchar(50),
branch_city varchar(50),
assets varchar(50),
PRIMARY KEY (branch_name))
Engine=InnoDB;

CREATE TABLE customer (
customer_name varchar(50),
customer_city varchar(50),
customer_street varchar(50),
PRIMARY KEY (customer_name))
Engine=InnoDB;

CREATE TABLE loan (
loan_number int auto_incarment not null,
branch_name varchar(50),
amount numeric(50,2),
PRIMARY KEY (loan_number),
FOREIGN KEY (branch_name) references branch (branch_name) on delete cascade )
Engine=InnoDB;
```

```
CREATE TABLE borrower (
customer_name varchar(50),
loan_number varchar(50,2),
PRIMARY KEY (customer_name),
PRIMARY KEY (loan_number),
FOREIGN KEY (customer_name) references customer (customer_name) on delete cascade,
FOREIGN KEY (loan_number) references loan (loan_number) on delete cascade )
Engine=InnoDB;

CREATE TABLE account (
account_number int auto_incarment not null,
branch_name varchar(50),
balance numeric(50,2),
PRIMARY KEY (account_number),
FOREIGN KEY (branch_name) references branch (branch_name) on delete cascade )
Engine=InnoDB;

CREATE TABLE depositor (
customer_name varchar(50),
account_number varchar(50,2),
PRIMARY KEY (customer_name),
PRIMARY KEY (account_number),
FOREIGN KEY (customer_name) references customer (customer_name) on delete cascade,
FOREIGN KEY (account_number) references account (account_number) on delete cascade )
Engine=InnoDB;
```

Queries

-select branch_name from branch where branch_city like “Chicago”;

-select loan_number from loan where amount > 10000;

-select depositor.customer_name from depositor,account where depositor.account_number = account.account_number and account.balance > 6000;

-select borrower.customer_name from borrower,loan where borrower.loan_number = loan.loan_number and loan.branch_name like “Downtown”;

-select depositor.customer_name from depositor,account where depositor.account_number = account.account_number and account.balance > 6000 and account.branch_name like “Uptown”;