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”;