**Log in to MySql using Mac Terminal**

1. Open Terminal

/usr/local/mysql/bin/mysql -u root -p

1. Enter the Password

**To see all the databases**

show schemas;

show databases;

**Create A new Database**

This is to check if there was dataset created under the same name.

mysql> create database if not exists cis344p1;

Query OK, 1 row affected (0.00 sec)

**Enter the Database**

mysql> use cis344p1;

Database changed

// To view a table.

mysql> describe agent;

**// This line of code will help to use the database we just created.**

mysql> use cis344p1;

Database changed

mysql> create table property(PID varchar(45) not null primary key, PType enum("condo","single-family House","Town House") not null, Address varchar(45) not null, City varchar(25) not null, State char(2) not null, Zipcode varchar(25) not null,Sqft int(6) not null, PricePerSqft decimal(5,4)null,Price int(0) not null, AID varchar(15));

create table agent(AID varchar(15) not null primary key, AFirstName varchar(25) not null, ALastName varchar(25) not null , CellPhoneNumber varchar(12) not null, CommissionRate decimal(5,4) not null , Email varchar(25) not null unique);

create table feature(FID varchar(25) not null primary key, FeatureName varchar(45) not null, Description varchar(255) not null, PID varchar(45) not null);

create table user(UID varchar(25) not null primary key, UFirstName varchar(25) not null, ULastName varchar(45) not null, Address varchar(100) not null, City varchar(25) not null, State char(2) not null, Zipcode varchar(5) not null, CellPhone varchar(12) not null, HomePhone varchar(25) not null), Gender enum(‘Female’, ‘Male’, ‘Other’, ‘Binary’) not null, DOB date, Email varchar(25) null unique, UserType enum(‘Buyer’, ‘Seller’) not null);

create table seller(UID varchar(25), foreign key(UID) references user(UID)on delete cascade on update cascade, foreign key(PID) references property(PID) on delete cascade on update cascade);

**Worked Code**

**// Create table then add foreign key later.**

create table feature(FID varchar(25) not null primary key, FeatureName varchar(45) not null, Description varchar(255) not null, PID varchar(45) not null);

alter table feature add foreign key(PID) references property(PID) on delete cascade on update cascade;