

CS 3380 Lab Assignment 4

Directions : Use the following Entity–relationship model to create a set of tables within your database that conform to the information conveyed by the model. You must submit a single `lab2.sql` text file that contains SQL CREATE TABLE statements based on the model shown below with appropriate primary and foreign key declarations.

Initially, this instruction might sound somewhat odd, but you’ll be thankful that it’s here later. The very first thing that you should write in your `lab2.sql` file is the following statement. Before each CREATE TABLE statement, use a DROP TABLE IF EXISTS statement. Check the MySQL documentation to determine exactly how to use the DROP TABLE IF EXISTS statement. This statement will be useful because as you develop the SQL statements required for this lab assignment, you will want to execute your script multiple times. The effect of this DROP TABLE statement let’s you start with a “clean slate” each time you import your SQL script.

Next, add your CREATE TABLE statements for all of the required tables based on the ERD that follows.

Finally, add at least 3 records to every table using INSERT statements. You are free to insert whatever data you’d like into the tables. Make reasonable assumptions for appropriate data types for each attribute. (I believe the only non-obvious field attribute shown is “icd10”. This is an alphanumeric code for various medical conditions. Do a quick Google search to determine what an appropriate data type might be for this field.) Don’t forget to add any appropriate foreign key constraints and take notice that there is a weak entity relationship.

This assignment must be submitted via Blackboard by **Sunday, September 20 at 11:59 PM**.

