**CSC424 Lab1 Assignment CSC Spring 2016**

You can do this entire assignment without knowing what a database is!

Download and install MySQL 5.6 as explained in the Workshop 1.

Create the Premiere database with *exactly* the same tables and data as given in Pratt & Last pages 4-5 and the Chapter 1 slides 13, 15, 17 & 19.

To reduce the data entry job, you should download the data from the attached Data file and save this .txt file.

Use the Windows textpad to open the file *MySQL – Premiere.txt*  which you downloaded. Copy the entire text to the clipboard.

Start the MySQL Workbench you installed on your computer.

Click on the MYSQL Connection you setup for this course.

Copy the clipboard to the query window in the SQL editor which has opened up.

Click the lightening icon (the one without the I) to execute the entire script.

Congratulations! You have just created your first database.

Click the refresh icon in the Schemas window and you will see the *Premiere* database.

Click the arrowhead next to Premiere and then the one next to Tables.

You will see:

Tables: CUSTOMER, PART, ORDERS, ORDER\_LINE, REP

Right click on any table name and then click *select rows*. This will run an SQL query – your first example of SQL – which retrieves all of the data from the table.

Click *view* then click *home* to get back to the MySQL Workbench home screen.

Next backup the Premiere database to your jump drive, as you will need it all semester. This is very easy – just follow these steps:

(*Note: I will demonstrate this in class before you need to do it; it is not part of the assignment, just here for the record)*

From your MySQL Connection screen click on *Data Export* , and enter your password.

Check *premiere*

Click *Export to Self-Contained File* and click on the icon with … to choose the file path and name. The file extension must be *.sql* You should choose a folder on your jump drive where you save class work. Click *save*.

Click the *start export* button.

To prove that the backup worked do the following:

1. Click Query 1 and type *drop database premiere;*
2. Click the lightening icon to execute.
3. Refresh the schemas and you will see that your premiere database is gone.
4. Go back to the Navigator and click Data Import/Restore
5. Click *Import from Self-Contained File*
6. Browse to your dump file
7. Click *Open*
8. Click *Start Import* and enter your password if prompted for it.
9. Go back to the SQL editor refresh *schemas*
10. YAY your premiere database is restored!

You will need to follow the above backup and restore procedures if you want to use any of the CSI lab computers which, as you already know, delete all of your work whenever you logoff.

For this assignment there is nothing to hand in. I will look at your database in class next week. The easiest way for you to show it to me is to bring laptop to class. If you do not have a laptop, bring your jump drive to class and restore *premiere* on one of the lab computers, if they have MySQL. If they do not then we need to wait until IT installs it.