These problems require the usage of the MySQL Workbench platform to provide you experience with loading databases from .sql files, and making SQL queries. The queries will involve the Chinook and Northwind databases in order to answer each group of problems. For each problem provide both the query and the csv file that can be created from the query result.

Homework Problem 2.1: For the Chinook Database Schema

a. Find the one or more playlist(s) that contain the largest number of pop tracks. For each playlist that satisfies this condition, print out the name of the playlist and the number of tracks.

b. Find all artist(s) that have the most tracks classified as “Rock”, “Jazz”, “Rock And Roll”, “Pop”, and “Classical”, sorted by Genre Name and then by Artist name, and return the artist name, genre, and amount of tracks. Note that more than one artist may have the same number of most tracks.

c. Find the name of the artist and the name of each track for all artists with more than 5 tracks. Note that an artist can have multiple tracks without having an album.

d. For the artist “AC/DC”, find the playlist(s) which contains the most tracks. Return the artist and Name of the Playlist. There may be more than one playlist with the most tracks.

Homework Problem 2.2: For the Northwind Database Schema

a. Find the list of all customers from United Kingdom sorted by Company Name in ascending order and return the company Name and Country.

b. Find the number of customers that are located in each country. Your query should return just a number representing the number of customers who are located in each country. Countries include: Germany, Mexico, UK, Sweden, France, Spain, Canada, Argentina, Switzerland, Brazil, Austria, Italy, Portugal, USA, Venezuela, Ireland, Belgium, Norway, Denmark, Finland, Poland

c. Find the product ID, Product Name, UnitsInStock, ReorderLevel, and the shortage amount (sorted by Shortage amount in Descending order) where the ShortageAmount is a calculated column and it is defined as ShortageAmount: ReorderLevel - UnitsInStock (Hint: Only list products that have ShortageAmount > 0)

d. Find the Product Name, UnitPrice, and UnitsInStock and Sorted by ProductName for all products where the product name starts with “Ch”.