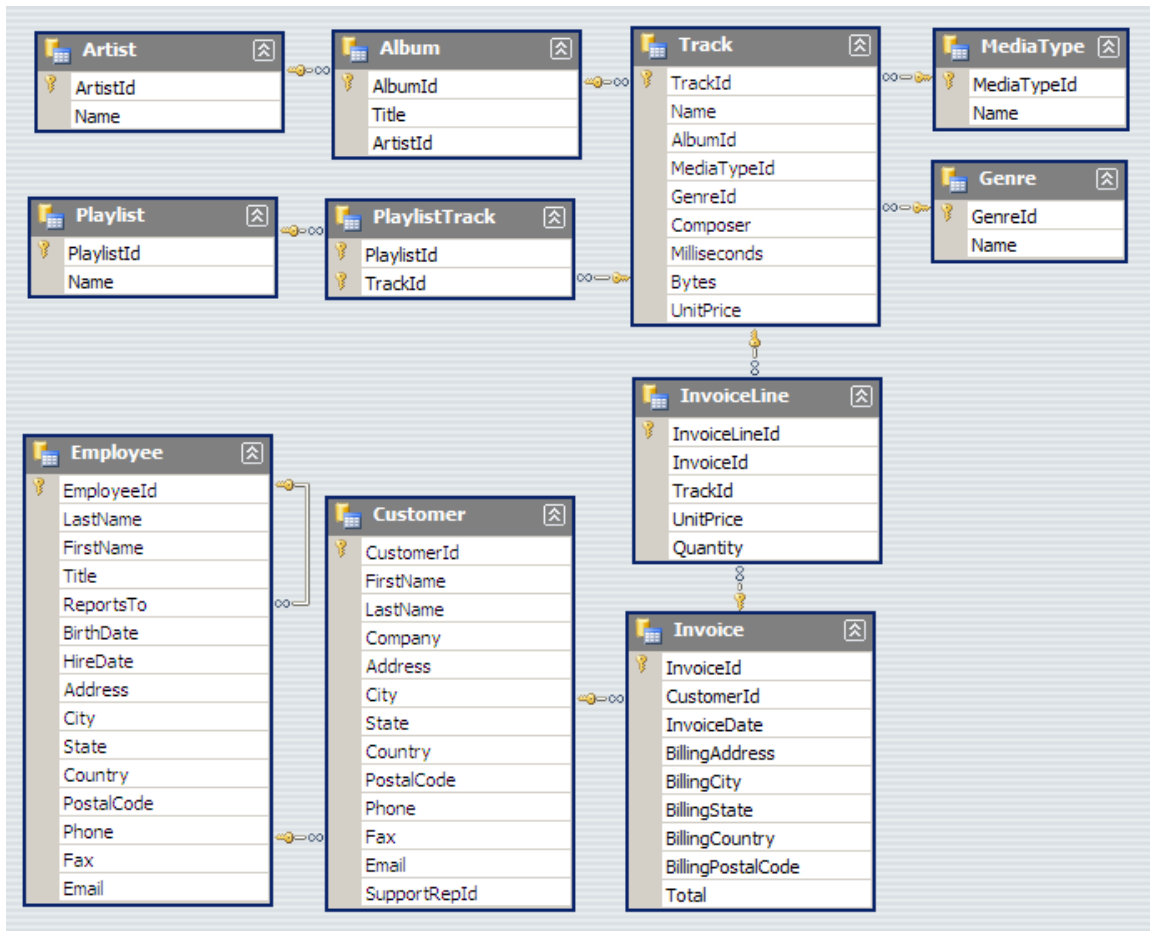


CS 364: Assignment 02

For this assignment, you will be submitting a set of .sql files, one for each of the queries listed below. This assignment requires that you have the Chinook database up and running according to the materials on Canvas. This assignment is worth **12 points**.

The Chinook Database

To familiarize yourself with the Chinook database's structure, you can reference its ER diagram below:



To check to see if everything is installed correctly, you can run `SELECT * FROM Employee` (you might need to clear the editor of the SQL you imported first) - you should see eight tuples returned.

Queries

Once you have confirmed that the Chinook database is installed, construct the following queries, paying careful attention to the columns that should be displayed, their order, and their name. Each query should be written and then saved to a separate file; file names appear after the query descriptions below. After writing and running your query, you can save it by clicking the save button (or pressing Control + s on Windows, command + s on Mac). This will bring up a save window to save your file with the extension `.sql`. **Be careful not to overwrite your previous query!** You may find it easier to write all your queries in a single file, then split them up into six different files as required for submission.

- List all songs of the 'Rock' genre. Your query should not involve you looking up the `Genre.GenreId` and use that in your query (i.e., do not search for `WHERE Genre.GenreId = 1`; you may join on `Genre.GenreId`). Your query should return all attributes of the matching tuples. (query21.sql)
- List all albums with an eponymous track (i.e., the album has a track named the same thing as the album). Your query should list the output columns as `ArtistName`, `Title`, and `TrackName` in that order. (query22.sql)
- List the names and lengths (in seconds, 1 second = 1000 ms) of all tracks. Your query should list the output columns as `Name` and `LengthSeconds` in that order. (query23.sql)
- List all tracks whose name starts with the word 'The' and the customer(s) who purchased them. Your query should list the output columns as `FirstName`, `LastName`, and `Name` in that order. (query24.sql)
- List track names that have **not** been part of an invoice. Your output column should be listed as `Name`. (query25.sql)
- List the first name, last name, and title of each employee, as well as the first name, last name, and title of their supervisor; employees without supervisors should have `NULL` for their supervisor values. Alias **only** the columns for the supervisor to `SuperFirst`, `SuperLast`, and `SuperTitle`; columns should be ordered as `FirstName`, `LastName`, `Title`, `SuperFirst`, `SuperLast`, and `SuperTitle`. (query26.sql)

Submission

All six of your `.sql` files must be named exactly as listed above. All six files should be placed in a folder named `cs364-assign02-<lastname>`, where `<lastname>` should be replaced with your last name in camelcase. For example, if your last name is "Von Neumann," your submission will be named `cs364-assign02-vonNeumann`. Your file should be zipped up and named `cs364-assign02-<lastname>`, then submitted to the Assignment 02 dropbox on Canvas. **Please be sure you are zipping a folder for submission, and not the individual files.** Your folder directory should look as follows:

```
cs364-assign02-<lastname> (folder)
  query21.sql (first query)
  query22.sql (second query)
  ...
```

Grading:

Your assignment will be graded on the correctness of queries, correct submission format, and readability of queries (e.g., are keywords capitalized? is each clause on its own line? is the query not indented in an unusual way?). This assignment is worth 12 points.