

WEEK 4



THE DATA ARCHIVES

Getting Started with **SQL & Chinook DB**

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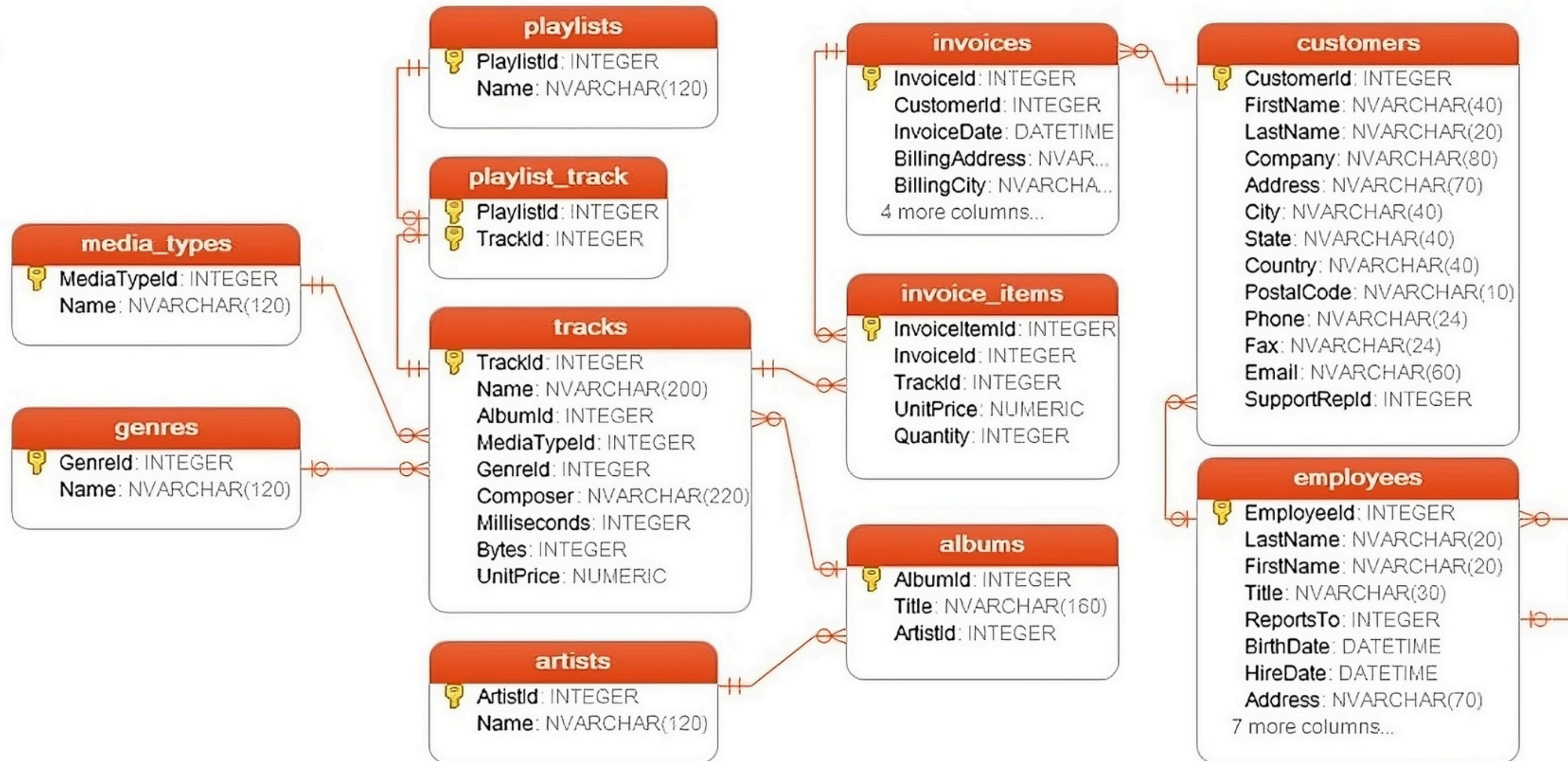
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Introduction to Chinook

The Chinook database, maintained by Luis Rocha and developed by an unknown party, has become a popular sample database for those learning and practicing SQL. It was designed to represent a digital media store, as hinted by the contents, and is meant to simulate a realistic business environment, think of a primitive Spotify or Amazon Music database. It has a total of 11 tables, each covering a different aspects of the database. If you're curious to know more check out the Chinook repository:

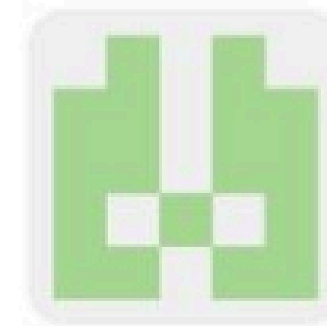
<https://github.com/lerocha/chinook-database>

Chinook Database ERD



Access GitHub for Manual

filsan95/**Course-SQL_Fundamentals_for_...**



This course serves as an introduction to Structured Query Language (SQL) for the aspiring data analyst, focusing on fundamental concepts...



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Contributors



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Issues



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This course serves as an introduction to Structured Query Language (SQL) for the aspiring data analyst, focusing on fundamental concepts and practical applications. The course incorporates interact...



GitHub

General IDE Overview

An IDE, short for Integrated Development Environment, is a comprehensive interface that allows users to write, edit, debug, compile and execute code. Unlike text editors (ie. emacs, vim, Notepad++, or even VS Code), which can be used to write and edit code with limited functionality, IDEs are more complex, integrating additional tools and features such as compilers and debuggers.

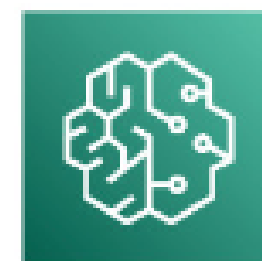
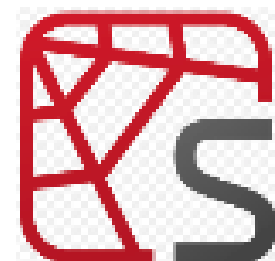
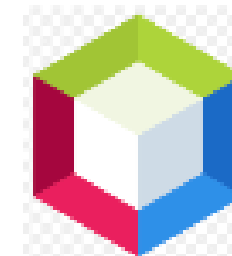
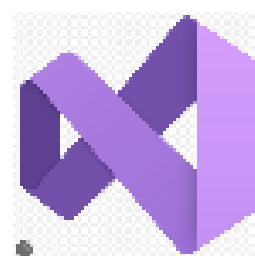
POPULAR TEXT EDITORS



General IDE Overview (Cont.)

Due to IDEs being so feature-rich, they can tend to be clunky and heavy, some users might opt for the text editors which are typically more lightweight and faster. Here are some examples of IDEs: Visual Studio, Pycharm, JupyterLab, Spyder, RStudio, NetBeans, Sagemaker etc.

POPULAR IDEs



Components of an IDE

These are several components of the Integrated Development Environment:

- **Text Editor / Code Editor** - used to write and edit source code
- **Output Window/ Result Pane** - displays the output after the code has been executed, but can also include logs and status updates
- **Debugger** - helps identify errors, and often providing error types and location
- **Console / Terminal** - may not be enabled by default, but is used to interact with the development environment directly via a command-line interface (or CLI for short)

Next Steps

- **Homework:**

- Cruise around and learn to navigate the Online SQL interface
- Take a look at the Chinook database and get familiar with it's contents
- Become familiar with the Online SQL IDE layout

- **Next Topic:**

- Understanding SQL commands and components.