SQL WORKSHOP

UNLOCKING THE POWER OF DATABASES

Data Science and Informatics
Matheus Kunzler Maldaner

DSI
DATA SCIENCE & INFORMATICS

Github Repository

01

ABOUT US

How you can get involved with the DSI club at UF

02

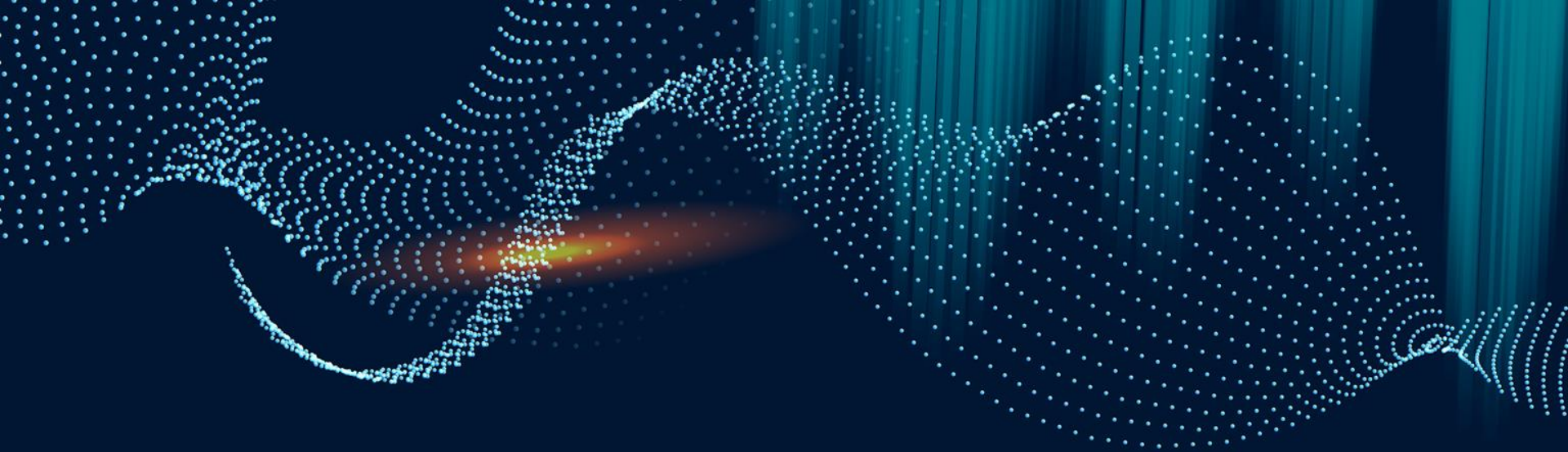
WHY SQL

Applications of SQL in the real world and its importance.

03

PRACTICAL

Interactive tutorial with SQL code in DB Browser for SQLite



01 ABOUT US

How you can get involved

DSI discord

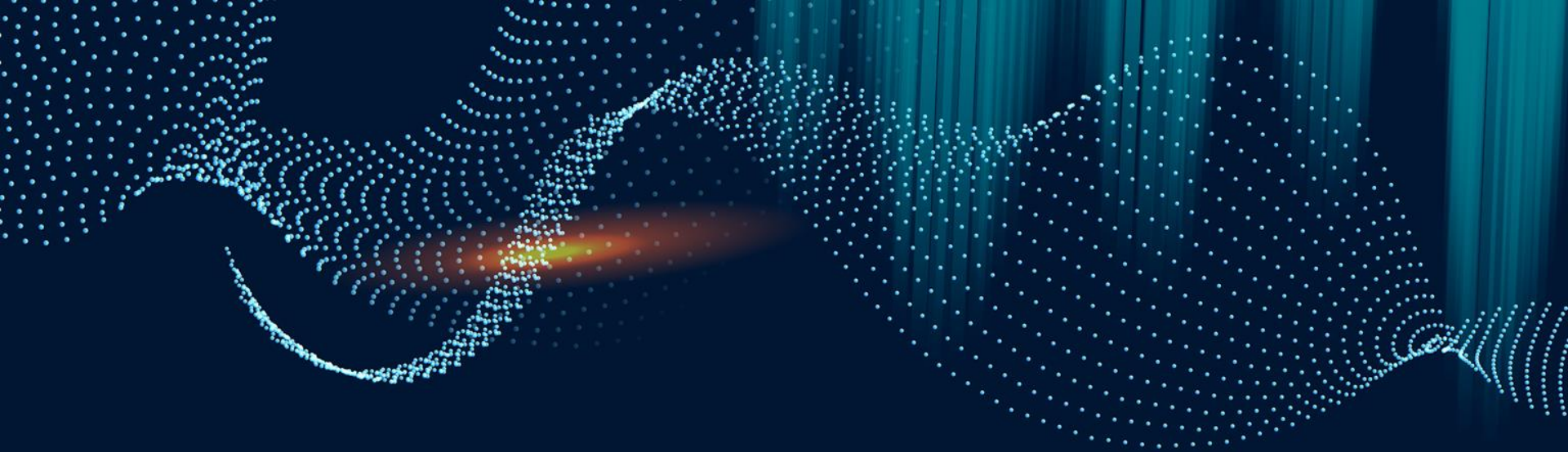
WHY JOIN DSI

Apply Data Science Skills
- Workshops
- Project Opportunities

Career Building
- Resume Building
- Career and Interview Prep
- Guest Speakers from Different Industries

Community
- Interact with Peers
- Socials

DSI
DATA SCIENCE & INFORMATICS



02 WHY SQL

Applications and usability

SQL IN THE REAL WORLD

Business: From sales data to customer behavior, SQL helps businesses make informed decisions.

Tech & Web:
Powering web applications, e-commerce sites, tech platforms

Finance:
Analyzing financial data, trends, and market behaviors.

Healthcare:
Managing patient data, medical records, and research.

Everyday Apps:
From your favorite food delivery app to social media platforms, SQL is everywhere!

3 TYPES OF COMMANDS

DDL – Data Definition Language

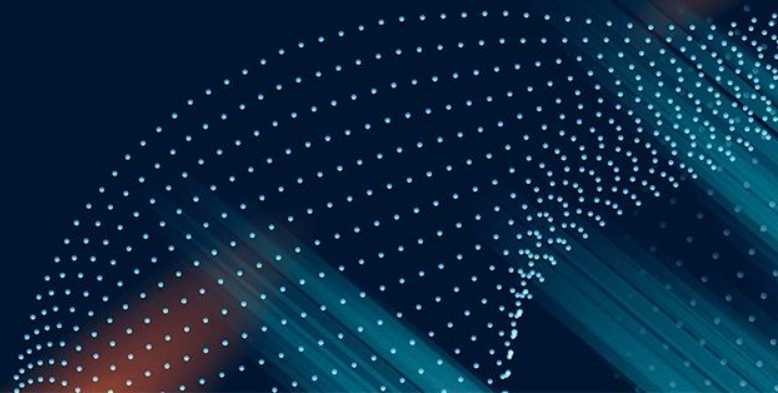
- Commands that define a database – Create, Alter, Drop

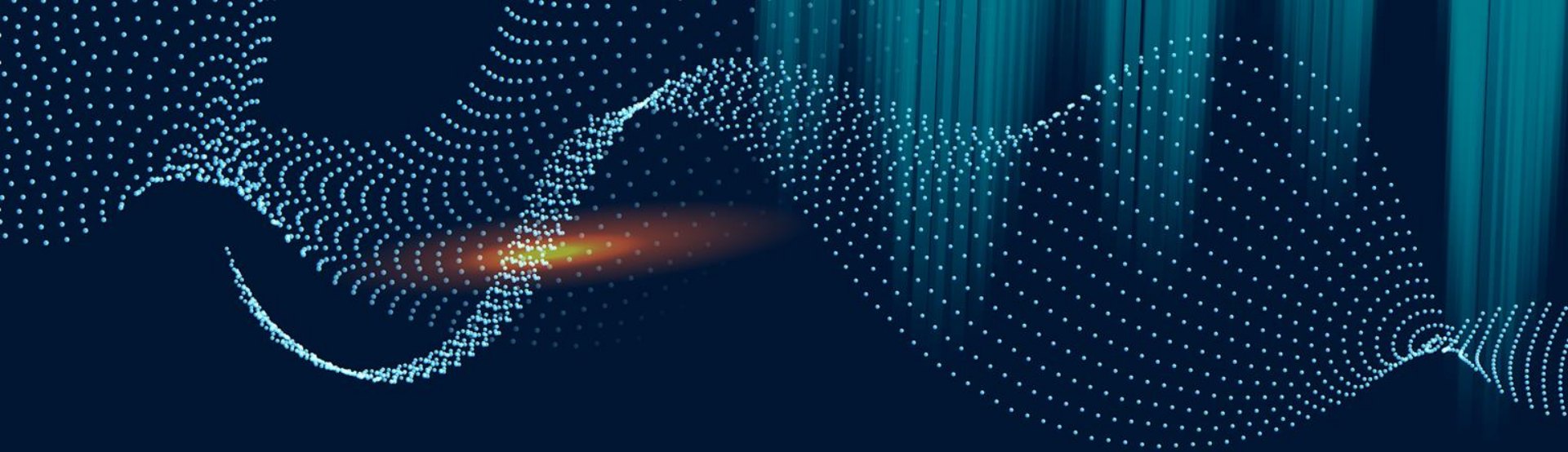
DML - Data Manipulation Language

- Commands that maintain and query a database

DCL – Data Control Language

- Commands that control a database, including administering privileges and committing data.

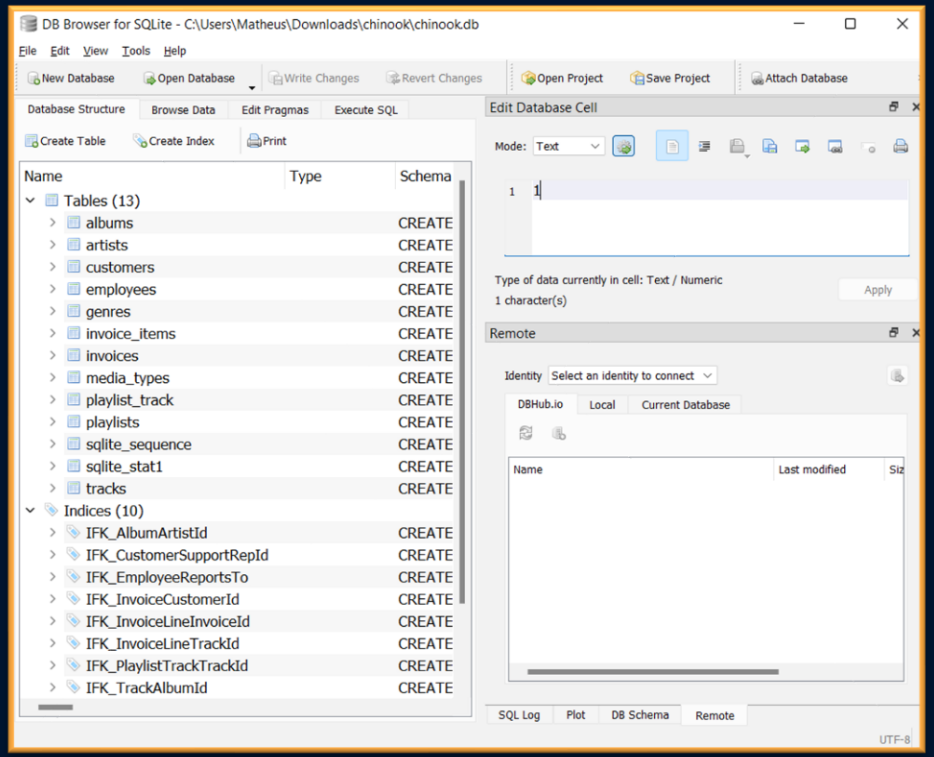




03 TUTORIAL

What you came here for!

Please switch to **DB Browser for SQLite**.



How your screen should look after loading the sample dataset

DB Browser software logo :)

THANKS!

Do you have any questions?

- Matheus@sisnema.com.br
- @uf_dsi

CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik.

Please keep this slide for attribution.

Save the Repository :)