

DS 205: Database Systems

Movies & TV Shows Database Management System

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Project Files

File	Description
create.sql	SQL script to create the full schema. Run this first.
insert.sql	All INSERT INTO statements; some manually added and some generated with Python.
indexing.sql	Indexing for optimizing queries.
triggers.sql	Triggers for automation and validation.
functions.sql	Stored SQL functions.
views.sql	Defined views for reporting and simplified queries.
queries.sql	Collection of sample SQL queries.
data_generation.ipynb	Python scripts showing how we generated the data for insertion using libraries such as SQLAlchemy and Faker as well as real-world datasets from Kaggle.
ERD.pdf	ERD created using diagrams.net
Normalization.pdf	3NF, BCNF and 4NF decompositions.
workbench_diagram.pdf	Relational schema diagram reverse engineered from MySQL Workbench.