

Movies (movie\_id, title, box\_office, release\_date, *studio\_id*, user\_rating, *director\_id*, *genre\_id*, *country\_id*, *rating\_id*, *language\_id*)

Casts (movie\_id, people\_id)

People (people\_id, first\_name, last\_name, age)

Studios (studio\_id, name)

Languages (language\_id, language)

Ratings (rating\_id, rating)

Countries (country\_id, country)

Genres (genre\_id, genre)

For every relation above, the superkey determines the rest of the attributes. Using functional dependencies,

For each relation R (A, B, C, D, ...) where A is the superkey,

$A \rightarrow BCD \dots$

Therefore, all relations are in BCNF.

Primary keys are underlined, foreign keys are italicized.

Database Structure		
<div> <div>Create Table</div> <div>Create Index</div> <div>Print</div> </div>		
Name	Type	Schema
▼ Tables (8)		
▼ Casts		CREATE TABLE Casts( movie_id INT NOT NULL, people_id INT NOT NULL, PRIMARY KEY (movie_id, people_id), FOREIGN KEY (movie_id) REFERENCES Movies(movie_id), FOREIGN KEY (people_id) REFERENCES People(people_id) )
movie_id	INT	"movie_id" INT NOT NULL
people_id	INT	"people_id" INT NOT NULL
▼ Countries		CREATE TABLE Countries( country_id INT NOT NULL, country_name TEXT NOT NULL, PRIMARY KEY (country_id) )
country_id	INT	"country_id" INT NOT NULL
country_name	TEXT	"country_name" TEXT NOT NULL
▼ Languages		CREATE TABLE Languages( language_id INT NOT NULL, language TEXT NOT NULL, PRIMARY KEY (language_id) )
language_id	INT	"language_id" INT NOT NULL
language	TEXT	"language" TEXT NOT NULL
▼ Movies		CREATE TABLE Movies( movie_id INT NOT NULL, title NVARCHAR NOT NULL, box_office INT, release_date TEXT NOT NULL, studio_id INT NOT NULL, user_rating REAL, director_id INT NOT NULL, genre_id INT NOT NULL, country_id INT NOT NULL, language_id INT NOT NULL )
movie_id	INT	"movie_id" INT NOT NULL
title	NVARCHAR	"title" NVARCHAR NOT NULL
box_office	INT	"box_office" INT
release_date	TEXT	"release_date" TEXT NOT NULL
studio_id	INT	"studio_id" INT NOT NULL
user_rating	REAL	"user_rating" REAL
director_id	INT	"director_id" INT NOT NULL
genre_id	INT	"genre_id" INT NOT NULL
country_id	INT	"country_id" INT NOT NULL
rating_id	INT	"rating_id" INT NOT NULL
language_id	INT	"language_id" INT NOT NULL
▼ People		CREATE TABLE People( people_id INT NOT NULL, first_name TEXT NOT NULL, last_name TEXT NOT NULL, age INT, PRIMARY KEY (people_id) )
people_id	INT	"people_id" INT NOT NULL
first_name	TEXT	"first_name" TEXT NOT NULL
last_name	TEXT	"last_name" TEXT NOT NULL
age	INT	"age" INT
▼ Ratings		CREATE TABLE Ratings( rating_id INT NOT NULL, rating TEXT NOT NULL, PRIMARY KEY (rating_id) )
rating_id	INT	"rating_id" INT NOT NULL
rating	TEXT	"rating" TEXT NOT NULL
▼ Studios		CREATE TABLE Studios( studio_id INT NOT NULL, studio_name TEXT NOT NULL, PRIMARY KEY (studio_id) )
studio_id	INT	"studio_id" INT NOT NULL
studio_name	TEXT	"studio_name" TEXT NOT NULL
▼ genres		CREATE TABLE genres( genre_id INT NOT NULL, genre TEXT NOT NULL, PRIMARY KEY (genre_id) )
genre_id	INT	"genre_id" INT NOT NULL
genre	TEXT	"genre" TEXT NOT NULL
Indices (0)		
Views (0)		
Triggers (0)		