-- Create Database

CREATE DATABASE IMDB;

USE IMDB;

-- Create movies table

CREATE TABLE movies (

movie\_id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255) NOT NULL,

release\_date DATE

);

-- Create media table

CREATE TABLE media (

media\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

media\_type ENUM('video', 'image') NOT NULL,

url VARCHAR(255),

FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id) ON DELETE CASCADE

);

-- Create genre table

CREATE TABLE genre (

genre\_id INT AUTO\_INCREMENT PRIMARY KEY,

genre\_name VARCHAR(50) NOT NULL

);

-- Create movie\_genres table (Many-to-Many relationship between movies and genres)

CREATE TABLE movie\_genres (

movie\_id INT,

genre\_id INT,

PRIMARY KEY (movie\_id, genre\_id),

FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id) ON DELETE CASCADE,

FOREIGN KEY (genre\_id) REFERENCES genre(genre\_id) ON DELETE CASCADE

);

-- Create users table

CREATE TABLE users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

email VARCHAR(100) NOT NULL

);

-- Create reviews table

CREATE TABLE reviews (

review\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

user\_id INT,

review\_text TEXT,

rating INT,

FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id) ON DELETE CASCADE,

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

-- Create artists table

CREATE TABLE artists (

artist\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

birth\_date DATE

);

-- Create skills table

CREATE TABLE skills (

skill\_id INT AUTO\_INCREMENT PRIMARY KEY,

skill\_name VARCHAR(100) NOT NULL

);

-- Create artist\_skills table (Many-to-Many relationship between artists and skills)

CREATE TABLE artist\_skills (

artist\_id INT,

skill\_id INT,

PRIMARY KEY (artist\_id, skill\_id),

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id) ON DELETE CASCADE,

FOREIGN KEY (skill\_id) REFERENCES skills(skill\_id) ON DELETE CASCADE

);

-- Create roles table

CREATE TABLE roles (

role\_id INT AUTO\_INCREMENT PRIMARY KEY,

role\_name VARCHAR(100) NOT NULL

);

-- Create movie\_roles table (Many-to-Many relationship between movies, artists, and roles)

CREATE TABLE movie\_roles (

movie\_id INT,

artist\_id INT,

role\_id INT,

PRIMARY KEY (movie\_id, artist\_id, role\_id),

FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id) ON DELETE CASCADE,

FOREIGN KEY (artist\_id) REFERENCES artists(artist\_id) ON DELETE CASCADE,

FOREIGN KEY (role\_id) REFERENCES roles(role\_id) ON DELETE CASCADE

);