CREATE DATABASE IMDB;

USE IMDB;

CREATE TABLE Movies (

movie\_id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255) NOT NULL,

release\_date DATE,

description TEXT

);

CREATE TABLE Media (

media\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

media\_type ENUM('Video', 'Image') NOT NULL,

media\_url VARCHAR(255) NOT NULL,

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

);

CREATE TABLE Genres (

genre\_id INT AUTO\_INCREMENT PRIMARY KEY,

genre\_name VARCHAR(100) NOT NULL UNIQUE

);

CREATE TABLE Movie\_Genre (

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 Genres(genre\_id) ON DELETE CASCADE

);

CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL UNIQUE,

email VARCHAR(100) NOT NULL UNIQUE

);

CREATE TABLE Reviews (

review\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

user\_id INT,

review\_text TEXT,

rating INT CHECK (rating BETWEEN 1 AND 10),

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

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

);

CREATE TABLE Artists (

artist\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

dob DATE

);

CREATE TABLE Skills (

skill\_id INT AUTO\_INCREMENT PRIMARY KEY,

skill\_name VARCHAR(100) NOT NULL UNIQUE

);

CREATE TABLE Artist\_Skill (

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 TABLE Movie\_Cast (

cast\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

artist\_id INT,

role\_name VARCHAR(255) NOT NULL,

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

FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id) ON DELETE CASCADE

);

INSERT INTO Movies (title, release\_date, description) VALUES

('Inception', '2010-07-16', 'A mind-bending thriller about dreams within dreams.');

INSERT INTO Genres (genre\_name) VALUES ('Sci-Fi'), ('Action');

INSERT INTO Movie\_Genre (movie\_id, genre\_id) VALUES (1, 1), (1, 2);

INSERT INTO Users (username, email) VALUES ('john\_doe', 'john@example.com');

INSERT INTO Reviews (movie\_id, user\_id, review\_text, rating) VALUES

(1, 1, 'Amazing movie with stunning visuals!', 10);

INSERT INTO Artists (name, dob) VALUES ('Leonardo DiCaprio', '1974-11-11');

INSERT INTO Skills (skill\_name) VALUES ('Acting'), ('Producing');

INSERT INTO Artist\_Skill (artist\_id, skill\_id) VALUES (1, 1);

INSERT INTO Movie\_Cast (movie\_id, artist\_id, role\_name) VALUES

(1, 1, 'Cobb');

select \* from Movies;

select \* from genres;



