**MYSQL Queries and Execution screenshots:**

**-- Create the 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,**

**duration INT,**

**description TEXT**

**);**

**-- Create Media table**

**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)**

**);**

**-- Create Genres table**

**CREATE TABLE Genres (**

**genre\_id INT AUTO\_INCREMENT PRIMARY KEY,**

**genre\_name VARCHAR(255) NOT NULL**

**);**

**-- Create MovieGenres table (many-to-many relationship between Movies and Genres)**

**CREATE TABLE MovieGenres (**

**movie\_id INT,**

**genre\_id INT,**

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

**FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id),**

**FOREIGN KEY (genre\_id) REFERENCES Genres(genre\_id)**

**);**

**-- Create Users table**

**CREATE TABLE Users (**

**user\_id INT AUTO\_INCREMENT PRIMARY KEY,**

**username VARCHAR(255) NOT NULL,**

**email VARCHAR(255) NOT NULL**

**);**

**-- Create Reviews table**

**CREATE TABLE Reviews (**

**review\_id INT AUTO\_INCREMENT PRIMARY KEY,**

**movie\_id INT,**

**user\_id INT,**

**rating INT,**

**review\_text TEXT,**

**FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id),**

**FOREIGN KEY (user\_id) REFERENCES Users(user\_id)**

**);**

**-- 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(255) NOT NULL**

**);**

**-- Create ArtistSkills table (many-to-many relationship between Artists and Skills)**

**CREATE TABLE ArtistSkills (**

**artist\_id INT,**

**skill\_id INT,**

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

**FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id),**

**FOREIGN KEY (skill\_id) REFERENCES Skills(skill\_id)**

**);**

**-- Create Roles table**

**CREATE TABLE Roles (**

**role\_id INT AUTO\_INCREMENT PRIMARY KEY,**

**role\_name VARCHAR(255) NOT NULL**

**);**

**-- Create MovieRoles table (many-to-many relationship between Movies and Artists with roles)**

**CREATE TABLE MovieRoles (**

**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),**

**FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id),**

**FOREIGN KEY (role\_id) REFERENCES Roles(role\_id)**

**);**

**-- Insert sample data into Movies**

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

**('Inception', '2010-07-16', 148, 'A thief who steals corporate secrets through the use of dream-sharing technology.'),**

**('The Matrix', '1999-03-31', 136, 'A computer hacker learns from mysterious rebels about the true nature of his reality and his role in the war against its controllers.');**

**-- Insert sample data into Media**

**INSERT INTO Media (movie\_id, media\_type, media\_url) VALUES**

**(1, 'video', 'http://example.com/inception\_trailer.mp4'),**

**(1, 'image', 'http://example.com/inception\_poster.jpg'),**

**(2, 'video', 'http://example.com/matrix\_trailer.mp4'),**

**(2, 'image', 'http://example.com/matrix\_poster.jpg');**

**-- Insert sample data into Genres**

**INSERT INTO Genres (genre\_name) VALUES**

**('Science Fiction'),**

**('Action'),**

**('Thriller');**

**-- Insert sample data into MovieGenres**

**INSERT INTO MovieGenres (movie\_id, genre\_id) VALUES**

**(1, 1),**

**(1, 2),**

**(1, 3),**

**(2, 1),**

**(2, 2);**

**-- Insert sample data into Users**

**INSERT INTO Users (username, email) VALUES**

**('user1', 'user1@example.com'),**

**('user2', 'user2@example.com');**

**-- Insert sample data into Reviews**

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

**(1, 1, 5, 'Amazing movie with a mind-bending plot!'),**

**(2, 2, 4, 'Great action and special effects.');**

**-- Insert sample data into Artists**

**INSERT INTO Artists (name, birth\_date) VALUES**

**('Leonardo DiCaprio', '1974-11-11'),**

**('Keanu Reeves', '1964-09-02');**

**-- Insert sample data into Skills**

**INSERT INTO Skills (skill\_name) VALUES**

**('Acting'),**

**('Directing'),**

**('Stunt Performing');**

**-- Insert sample data into ArtistSkills**

**INSERT INTO ArtistSkills (artist\_id, skill\_id) VALUES**

**(1, 1),**

**(2, 1),**

**(2, 3);**

**-- Insert sample data into Roles**

**INSERT INTO Roles (role\_name) VALUES**

**('Lead Actor'),**

**('Supporting Actor'),**

**('Director');**

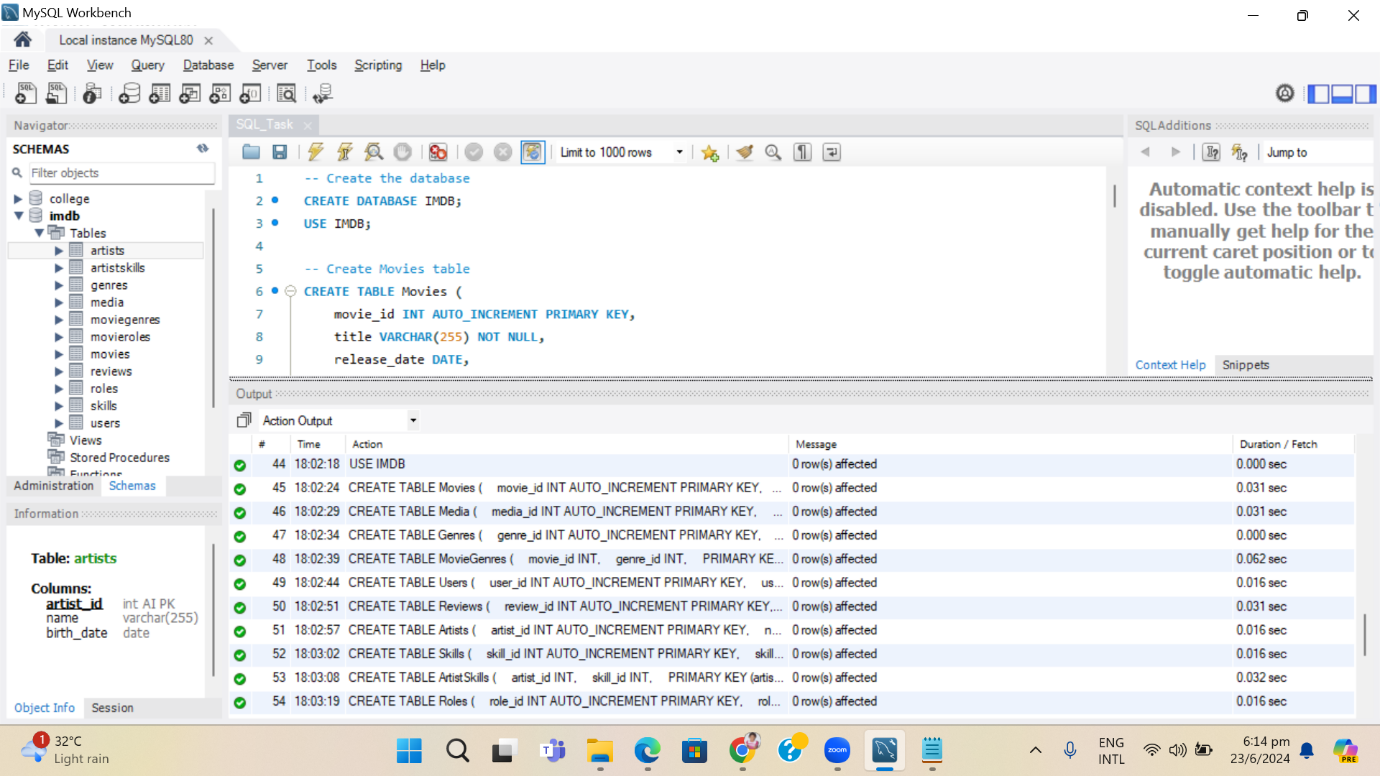
**-- Insert sample data into MovieRoles**

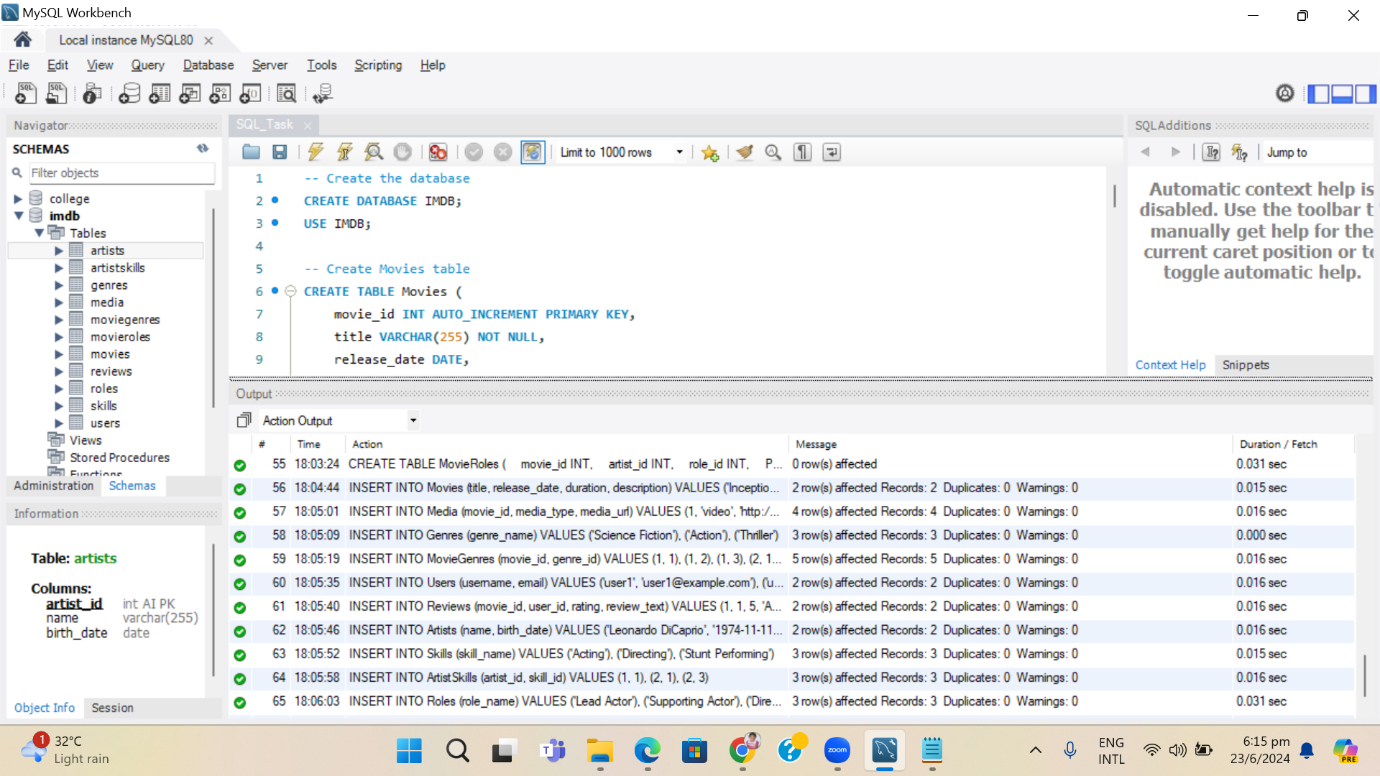
**INSERT INTO MovieRoles (movie\_id, artist\_id, role\_id) VALUES**

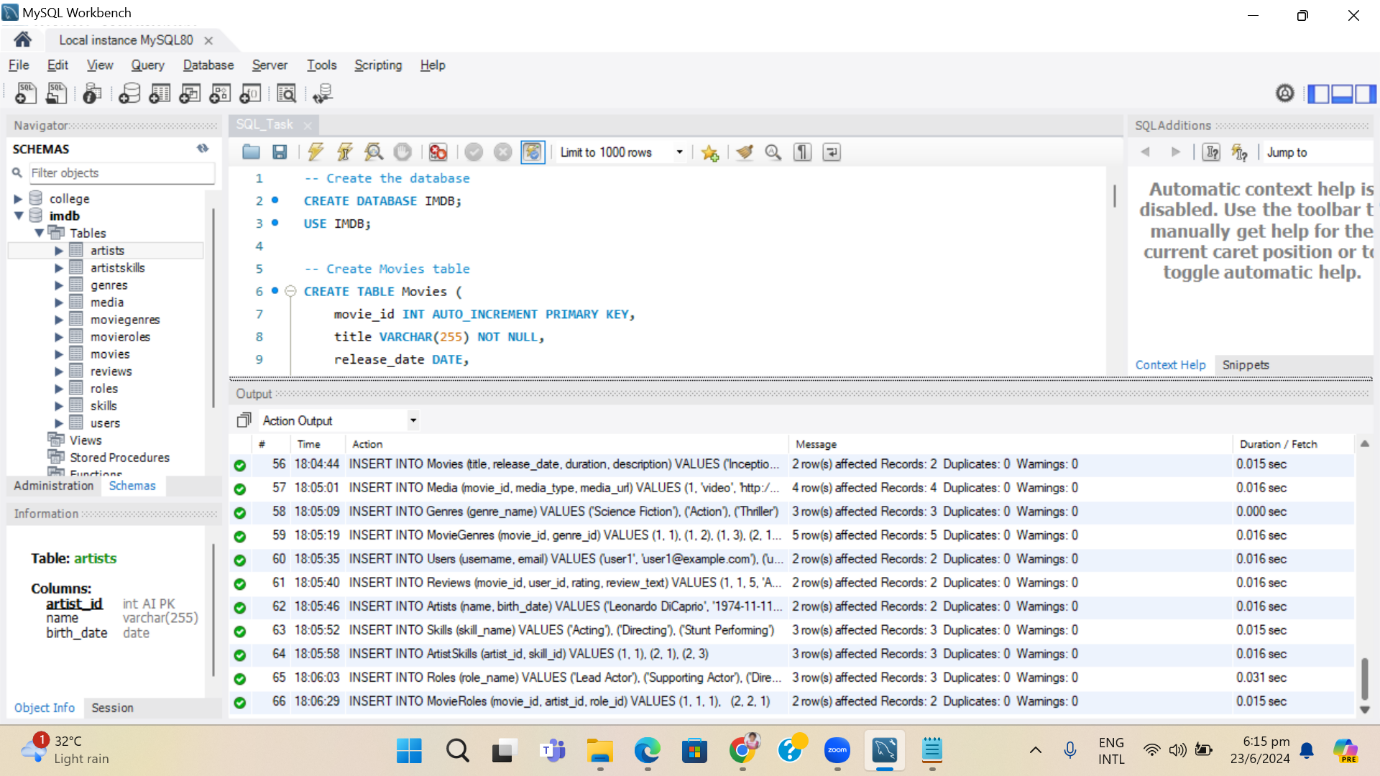
**(1, 1, 1),**

**(2, 2, 1);**

**Execution Screen shots:**

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**Screenshots of Each Table:**

