CREATE TABLE User(

user\_id INT PRIMARY KEY AUTO\_INCREMENT ,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

age INT,

Gender VARCHAR(100);

CREATE TABLE Movie(

movie\_id INT PRIMARY KEY AUTO\_INCREMENT,

title VARCHAR(255) NOT NULL,

release\_year YEAR,

description TEXT,

duration INT);

CREATE TABLE Genre

(genre\_id INT PRIMARY KEY AUTO\_INCREMENT, genre\_name

VARCHAR(100) NOT NULL);

CREATE TABLE Movie\_Genre

(movie\_id INT,

genre\_id INT,

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

FOREIGN KEY(movie\_id) REFERENCES Movie(movie\_id), FOREIGN

KEY(genre\_id) REFERENCES Genre(genre\_id));

CREATE TABLE Rating(

rating\_id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT,

movie\_id INT,

rating INT,

rating\_date DATE,

FOREIGN KEY(user\_id) REFERENCES User(user\_id), FOREIGN

KEY(movie\_id) REFERENCES Movie(movie\_id));

INSERT INTO User(name,email,age,gender)

VALUES

('Alice','alice@example.com',25,'female'), ('Bob','bob@example.com',30,'male');

INSERT INTO Movie(title,release\_year,description,duration) VALUES

('Inception',2010,'A mind-bending thriller',148),

('The Matrix',1999,'Neo discovers the truth',136);

INSERT INTO Genre(genre\_name)

VALUES

('Sci-Fi'),

('Action');

INSERT INTO Movie\_Genre(movie\_id,genre\_id)

VALUES

(1,1),

(1,2),

(2,1);

INSERT INTO Rating(user\_id,movie\_id,rating,rating\_date) VALUES

(1,1,5,'2025-06-01'),

(2,1,4,'2025-06-02'),

(1,2,5,'2025-06-03');

ALTER TABLE Movie ADD COLUMN language VARCHAR(50);

ALTER TABLE User MODIFY COLUMN name VARCHAR(150);

ALTER TABLE Genre DROP COLUMN genre\_name; ALTER TABLE Rating

ADD COLUMN review TEXT;

INSERT INTO User(name,email,age,gender)

VALUES ('Charlie','charlie@example.com',28,'other'); UPDATE Movie SET

duration=150 WHERE title='Inception'; DELETE FROM Rating WHERE

rating<3;

SELECT \* FROM User;

SELECT name, title, rating

FROM User, Movie, Rating

WHERE User.user\_id = Rating.user\_id AND Movie.movie\_id = Rating.movie\_id;

SELECT title, release\_year

FROM Movie

WHERE release\_year > 2005;

SELECT title

FROM Movie, Rating, User

WHERE Movie.movie\_id = Rating.m