Creating a database

Go to: http://localhost/phpmyadmin and create a database.
Codes for it are provided below.

```sql
-- Create the database
CREATE DATABASE IF NOT EXISTS movie_booking;
USE movie_booking;

-- Users table
CREATE TABLE users (
    user_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    email VARCHAR(100) UNIQUE,
    password VARCHAR(255)
);

-- Movies table
CREATE TABLE movies (
    movie_id INT AUTO_INCREMENT PRIMARY KEY,
    title VARCHAR(255),
    genre VARCHAR(100),
    duration INT -- in minutes
);

-- Theaters table
CREATE TABLE theaters (
    theater_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    location VARCHAR(255)
);

-- Theater seat information table
CREATE TABLE theater_info (
    seat_id INT AUTO_INCREMENT PRIMARY KEY,
    theatre_id INT,
    seat_number INT,
    row_number VARCHAR(10),
    seat_category VARCHAR(50),
    price DECIMAL(10,2),
```

```
    FOREIGN KEY (theatre_id) REFERENCES theaters(theater_id) ON DELETE
CASCADE
);

-- Showtimes table
CREATE TABLE showtimes (
    showtime_id INT AUTO_INCREMENT PRIMARY KEY,
    movie_id INT,
    theater_id INT,
    show_time DATETIME,
    FOREIGN KEY (movie_id) REFERENCES movies(movie_id) ON DELETE
CASCADE,
    FOREIGN KEY (theater_id) REFERENCES theaters(theater_id) ON DELETE
CASCADE
);

-- Bookings table
CREATE TABLE bookings (
    booking_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT,
    showtime_id INT,
    seat_id INT,
    booking_time TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE,
    FOREIGN KEY (showtime_id) REFERENCES showtimes(showtime_id) ON
DELETE CASCADE,
    FOREIGN KEY (seat_id) REFERENCES theater_info(seat_id) ON DELETE
CASCADE
);
```

Click Go.

Now, populate the database. Codes are provided below.

```
-- Movies
INSERT INTO movies (title, genre, duration) VALUES
('Avengers: Endgame', 'Action', 181),
('Coco', 'Animation', 105),
('Inception', 'Sci-Fi', 148),
```

```
('Titanic', 'Romance', 195);

-- Theaters
INSERT INTO theaters (name, location) VALUES
('Star Cineplex', 'Bashundhara City, Dhaka'),
('Blockbuster Cinemas', 'Jamuna Future Park, Dhaka');

-- Seats (theater_info) — Add 5 seats per theater
INSERT INTO theater_info (theatre_id, seat_number, row_number,
seat_category, price) VALUES
(1, 1, 'A', 'Regular', 300.00),
(1, 2, 'A', 'Regular', 300.00),
(1, 3, 'A', 'Regular', 300.00),
(1, 4, 'B', 'Premium', 500.00),
(1, 5, 'B', 'Premium', 500.00),

(2, 1, 'A', 'Regular', 350.00),
(2, 2, 'A', 'Regular', 350.00),
(2, 3, 'A', 'Regular', 350.00),
(2, 4, 'B', 'VIP', 700.00),
(2, 5, 'B', 'VIP', 700.00);

-- Showtimes
INSERT INTO showtimes (movie_id, theater_id, show_time) VALUES
(1, 1, '2025-04-23 15:30:00'),
(1, 2, '2025-04-23 18:00:00'),
(2, 1, '2025-04-24 10:00:00'),
(3, 2, '2025-04-24 20:00:00'),
(4, 1, '2025-04-25 13:30:00');
```

Click Go