| **THEATER** |
| --- |
| theater\_id |
| name |
| location |

| **MOVIE** |
| --- |
| movie\_id |
| title |
| language |
| genre |
| duration |

| **BOOKING** |
| --- |
| booking\_id |
| user\_id |
| show\_id |
| seat\_number |

| **SHOW** |
| --- |
| show\_id |
| theater\_id |
| movie\_id |
| date |
| time |

| **USER** |
| --- |
| user\_id |
| name |
| email |
| phone\_number |

CREATE TABLE Theater (

theater\_id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100) NOT NULL,

location VARCHAR(255) NOT NULL

);

-- Sample Entries

INSERT INTO Theater (name, location)

VALUES

('PVR Cinemas', 'Mumbai'),

('Inox', 'Bangalore');

#Create Movie

CREATE TABLE Movie (

movie\_id INT PRIMARY KEY AUTO\_INCREMENT,

title VARCHAR(255) NOT NULL,

language VARCHAR(50) NOT NULL,

genre VARCHAR(50),

duration INT NOT NULL

);

-- Sample Entries

INSERT INTO Movie (title, language, genre, duration)

VALUES

('Inception', 'English', 'Sci-Fi', 148),

('Dhoom', 'Hindi', 'Action', 170);

#Create show

CREATE TABLE Show (

show\_id INT PRIMARY KEY AUTO\_INCREMENT,

theater\_id INT NOT NULL,

movie\_id INT NOT NULL,

date DATE NOT NULL,

time TIME NOT NULL,

FOREIGN KEY (theater\_id) REFERENCES Theater(theater\_id),

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

);

-- Sample Entries

INSERT INTO Show (theater\_id, movie\_id, date, time)

VALUES

(1, 1, '2024-12-28', '18:00:00'),

(1, 2, '2024-12-28', '21:00:00'),

(2, 1, '2024-12-29', '19:30:00');

#Booking Table

CREATE TABLE Booking (

booking\_id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT NOT NULL,

show\_id INT NOT NULL,

seat\_number VARCHAR(10) NOT NULL,

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

FOREIGN KEY (show\_id) REFERENCES Show(show\_id)

);

-- Sample Entries

INSERT INTO Booking (user\_id, show\_id, seat\_number)

VALUES

(1, 1, 'A10'),

(2, 2, 'B15');

#User Table

CREATE TABLE User (

user\_id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE,

phone\_number VARCHAR(15)

);

-- Sample Entries

INSERT INTO User (name, email, phone\_number)

VALUES

('John Doe', 'john.doe@example.com',’6362923206’ ),

('Jane Smith', 'jane.smith@example.com', '9411421892');

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SELECT s.show\_id, m.title AS movie\_title, s.date, s.time AS show\_time

FROM Show s

JOIN Movie m ON s.movie\_id = m.movie\_id

JOIN Theater t ON s.theater\_id = t.theater\_id

WHERE s.date = '2024-12-28' AND t.name = 'PVR Cinemas';