-- Table: Theatre

CREATE TABLE Theatre (

TheatreID INT PRIMARY KEY,

Name VARCHAR(100),

Location VARCHAR(100)

);

-- Table: Movie

CREATE TABLE Movie (

MovieID INT PRIMARY KEY,

Title VARCHAR(100),

Language VARCHAR(50),

Certification VARCHAR(20),

Format VARCHAR(10)

);

-- Table: Screen

CREATE TABLE Screen (

ScreenID INT PRIMARY KEY,

TheatreID INT,

ScreenName VARCHAR(50),

FOREIGN KEY (TheatreID) REFERENCES Theatre(TheatreID)

);

-- Table: Show

CREATE TABLE MovieShow (

ShowID INT PRIMARY KEY,

MovieID INT,

ScreenID INT,

ShowDate DATE,

ShowTime TIME,

FOREIGN KEY (MovieID) REFERENCES Movie(MovieID),

FOREIGN KEY (ScreenID) REFERENCES Screen(ScreenID)

);

-- Insert into Theatre

INSERT INTO Theatre VALUES (1, 'PVR: Nexus (Forum Mall)', 'Bangalore');

SELECT \* FROM Theatre;

-- Insert into Movie

INSERT INTO Movie VALUES

(1, 'Dasara', 'Telugu', 'UA', '2D'),

(2, 'Kisi Ka Bhai Kisi Ki Jaan', 'Hindi', 'UA', '2D'),

(3, 'Tu Jhoothi Main Makkaar', 'Hindi', 'UA', '2D'),

(4, 'Avatar: The Way of Water', 'English', 'UA', '3D');

SELECT \* FROM Movie;

-- Insert into Screen

INSERT INTO Screen VALUES

(1, 1, 'Screen 1'),

(2, 1, 'Screen 2');

SELECT \* FROM Screen;

INSERT INTO MovieShow VALUES

(1, 1, 1, '2023-04-25', '12:10:00'),

(2, 2, 1, '2023-04-25', '01:00:00'),

(3, 2, 1, '2023-04-25', '04:10:00'),

(4, 2, 2, '2023-04-25', '06:20:00'),

(5, 2, 2, '2023-04-25', '07:20:00'),

(6, 2, 1, '2023-04-25', '10:30:00'),

(7, 3, 1, '2023-04-25', '01:15:00'),

(8, 4, 2, '2023-04-25', '01:20:00');

SELECT \* FROM MovieShow;

SELECT

M.Title AS MovieTitle,

S.ShowTime,

SC.ScreenName

FROM MovieShow S

JOIN Movie M ON S.MovieID = M.MovieID

JOIN Screen SC ON S.ScreenID = SC.ScreenID

JOIN Theatre T ON SC.TheatreID = T.TheatreID

WHERE S.ShowDate = '2023-04-25' AND T.Name = 'PVR: Nexus (Forum Mall)';

**OUTPUT ➖**

**+--------------+------------------------------------+---------------+**

**| TheatreID | Name | Location |**

**+--------------+------------------------------------+---------------+**

**| 1 | PVR: Nexus (Forum Mall) | Bangalore |**

**+--------------+------------------------------------+----------------+**

**+------------+------------------------------------+--------------+--------------------+------------+**

**| MovieID | Title | Language | Certification | Format |**

**+------------+------------------------------------+--------------+--------------------+-------------+**

**| 1 | Dasara | Telugu | UA | 2D |**

**| 2 | Kisi Ka Bhai Kisi Ki Jaan | Hindi | UA | 2D |**

**| 3 | Tu Jhoothi Main Makkaar | Hindi | UA | 2D |**

**| 4 | Avatar: The Way of Water | English | UA | 3D |**

**+------------+--------------------------------------+------------+---------------+-------------------+**

**+-------------+---------------+-------------------+**

**| ScreenID | TheatreID | ScreenName |**

**+-------------+---------------+-------------------+**

**| 1 | 1 | Screen 1 |**

**| 2 | 1 | Screen 2 |**

**+-------------+---------------+-------------------+**

**+-----------+-------------+-------------+-----------------+----------------+**

**| ShowID | MovieID | ScreenID | ShowDate | ShowTime |**

**+-----------+-------------+--------------+---------------- +----------------+**

**| 1 | 1 | 1 | 2023-04-25 | 12:10:00 |**

**| 2 | 2 | 1 | 2023-04-25 | 01:00:00 |**

**| 3 | 2 | 1 | 2023-04-25 | 04:10:00 |**

**| 4 | 2 | 2 | 2023-04-25 | 06:20:00 |**

**| 5 | 2 | 2 | 2023-04-25 | 07:20:00 |**

**| 6 | 2 | 1 | 2023-04-25 | 10:30:00 |**

**| 7 | 3 | 1 | 2023-04-25 | 01:15:00 |**

**| 8 | 4 | 2 | 2023-04-25 | 01:20:00 |**

**+-----------+-------------+--------------+-----------------+----------------+**

**+------------------------------------+---------------+-------------------+**

**| MovieTitle | ShowTime | ScreenName |**

**+------------------------------------+---------------+--------------------+**

**| Dasara | 12:10:00 | Screen 1 |**

**| Kisi Ka Bhai Kisi Ki Jaan | 01:00:00 | Screen 1 |**

**| Kisi Ka Bhai Kisi Ki Jaan | 04:10:00 | Screen 1 |**

**| Kisi Ka Bhai Kisi Ki Jaan | 10:30:00 | Screen 1 |**

**| Tu Jhoothi Main Makkaar | 01:15:00 | Screen 1 |**

**| Kisi Ka Bhai Kisi Ki Jaan | 06:20:00 | Screen 2 |**

**| Kisi Ka Bhai Kisi Ki Jaan | 07:20:00 | Screen 2 |**

**| Avatar: The Way of Water | 01:20:00 | Screen 2 |**

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