

List of all tables, their attributes, and few example rows:

MOVIE	
movieId	int
Name	varchar

movieId	name
1	Inception
2	The Matrix
3	Interstellar

THEATRE	
theatreId	int
name	varchar
location	varchar

theaterId	name	location
1	PVR Cinemas	Downtown
2	INOX	City Mall
3	Carnival Cinemas	Suburb

SHOWS	
showId	int
showDate	date
ShowTime	timestamp
Quality	varchar
language	varchar
sound	varchar
movieId	int
TheaterId	int

showID	showDate	showTime	quality	language	sound	movieId	theaterId
1	2025-06-01	2025-06-01 18:30:00	HD	English	Dolby	1	1
2	2025-06-01	2025-06-01 21:00:00	4K	English	Dolby	2	1
3	2025-06-05	2025-06-05 15:00:00	HD	Hindi	DTS	1	1
4	2025-06-03	2025-06-03 17:45:00	4K	English	Dolby	3	3
5	2025-06-05	2025-06-05 14:00:00	HD	English	Dolby	1	1
6	2025-06-05	2025-06-05 18:00:00	HD	English	Dolby	2	1
7	2025-06-06	2025-06-06 12:00:00	4K	English	Dolby	1	1
8	2025-06-06	2025-06-06 20:00:00	4K	English	Dolby	1	1
9	2025-06-07	2025-06-07 15:30:00	HD	English	Dolby	1	1
10	2025-06-05	2025-06-05 10:00:00	HD	English	Dolby	1	1
11	2025-06-05	2025-06-05 13:00:00	HD	English	Dolby	2	1
12	2025-06-05	2025-06-05 15:30:00	4K	English	Dolby	1	1
13	2025-06-06	2025-06-06 21:00:00	4K	English	Dolby	1	1
14	2025-06-07	2025-06-07 16:45:00	HD	English	Dolby	1	1

SQL Queries:

```
CREATE TABLE MOVIE (  
    movieId int PRIMARY KEY,  
    name varchar(128)  
);
```

```
CREATE TABLE THEATRE(  
    theaterId int PRIMARY KEY,  
    name varchar(128),  
    location varchar(128)  
);
```

```
CREATE TABLE SHOWS(  
    showID int PRIMARY KEY,  
    showDate Date,  
    showTime timestamp,  
    quality varchar(128),  
    language varchar(128),  
    sound varchar(128),  
    movieId int,  
    theaterId int,  
    foreign key (movieId) references MOVIE(movieId),  
    foreign key (theaterId) references THEATRE(theaterId)  
);
```

```
INSERT INTO MOVIE (movieId, name) VALUES  
(1, 'Inception'),  
(2, 'The Matrix'),  
(3, 'Interstellar');
```

```
INSERT INTO THEATRE (theaterId, name, location) VALUES  
(1, 'PVR Cinemas', 'Downtown'),  
(2, 'INOX', 'City Mall'),  
(3, 'Carnival Cinemas', 'Suburb');
```

```
-- Insert sample shows  
INSERT INTO SHOWS (showID, showDate, showTime, quality, language, sound, movieId,  
theaterId) VALUES  
(1, '2025-06-01', '2025-06-01 18:30:00', 'HD', 'English', 'Dolby', 1, 1),  
(2, '2025-06-01', '2025-06-01 21:00:00', '4K', 'English', 'Dolby', 2, 1),  
(3, '2025-06-05', '2025-06-05 15:00:00', 'HD', 'Hindi', 'DTS', 1, 1),  
(4, '2025-06-03', '2025-06-03 17:45:00', '4K', 'English', 'Dolby', 3, 3),  
(5, '2025-06-05', '2025-06-05 14:00:00', 'HD', 'English', 'Dolby', 1, 1),  
(6, '2025-06-05', '2025-06-05 18:00:00', 'HD', 'English', 'Dolby', 2, 1),  
(7, '2025-06-06', '2025-06-06 12:00:00', '4K', 'English', 'Dolby', 1, 1),  
(8, '2025-06-06', '2025-06-06 20:00:00', '4K', 'English', 'Dolby', 1, 1),  
(9, '2025-06-07', '2025-06-07 15:30:00', 'HD', 'English', 'Dolby', 1, 1),  
(10, '2025-06-05', '2025-06-05 10:00:00', 'HD', 'English', 'Dolby', 1, 1),  
(11, '2025-06-05', '2025-06-05 13:00:00', 'HD', 'English', 'Dolby', 2, 1),  
(12, '2025-06-05', '2025-06-05 15:30:00', '4K', 'English', 'Dolby', 1, 1),  
(13, '2025-06-06', '2025-06-06 21:00:00', '4K', 'English', 'Dolby', 1, 1),  
(14, '2025-06-07', '2025-06-07 16:45:00', 'HD', 'English', 'Dolby', 1, 1);
```

```
SELECT * FROM MOVIE;
```

```
SELECT * FROM THEATRE;
```

```
SELECT * FROM SHOWS;
```

```
SELECT
  s.showDate,
  s.showTime,
  s.quality,
  s.language,
  s.sound,
  m.name AS movieName,
  t.name AS theaterName
FROM SHOWS s
INNER JOIN MOVIE m ON s.movieId = m.movieId
INNER JOIN THEATRE t ON s.theaterId = t.theaterId WHERE t.name = 'PVR CINEMAS' and
s.showDate = '2025-06-05'
ORDER BY m.name;
```

showDate	showTime	quality	language	sound	movieName	theaterName
2025-06-05	2025-06-05 15:00:00	HD	Hindi	DTS	Inception	PVR Cinemas
2025-06-05	2025-06-05 14:00:00	HD	English	Dolby	Inception	PVR Cinemas
2025-06-05	2025-06-05 10:00:00	HD	English	Dolby	Inception	PVR Cinemas
2025-06-05	2025-06-05 15:30:00	4K	English	Dolby	Inception	PVR Cinemas
2025-06-05	2025-06-05 18:00:00	HD	English	Dolby	The Matrix	PVR Cinemas
2025-06-05	2025-06-05 13:00:00	HD	English	Dolby	The Matrix	PVR Cinemas