

➤ Project: Movie Ticket Booking System

- create databases movies;
- use movies;

1) table1 user:

```
create table users (

    User_id int primary key,
    name VARCHAR (100),
    email VARCHAR (100) UNIQUE,
    password VARCHAR (100)

);
```

- desc users;

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
name	varchar(100)	YES		NULL	
email	varchar(100)	YES	UNI	NULL	
password	varchar(100)	YES		NULL	

Insert values:

```
insert into users (user_id, name, email, password) values
(101, 'Sree Charani', 'charani@gmail.com', 'password12'),
(102, 'Bob Smith', 'bob@gmail.com', 'password24'),
(103, 'Richa Ghosh', 'ghosh@gmail.com', 'password35'),
(104, 'Diana Green', 'diana@gmail.com', 'password49'),
(105, 'Evan Miller', 'evan@gmail.com', 'password58'),
(106, 'Sneh rana', 'rana@gmail.com', 'password69'),
```

```
(107, 'Amanjot Kaur', 'kaur@gmail.com', 'password77'),
(108, 'Harleen Deol', 'deol@gmail.com', 'password80'),
(109, 'Deepti Sharma', 'sharma@gmail.com', 'password90'),
(110, 'Sayali Satghare', 'satghare@gmail.com', 'password10');
```

➤ Select * from user;

```
mysql> select * from users;
+-----+-----+-----+-----+
| user_id | name           | email          | password      |
+-----+-----+-----+-----+
| 101    | sree charani   | charani@gmail.com | password12 |
| 102    | Bob Smith       | bob@gmail.com   | password24 |
| 103    | richa ghosh    | ghosh@gmail.com | password35 |
| 104    | Diana Green     | diana@gmail.com | password49 |
| 105    | Evan Miller     | evan@gmail.com  | password58 |
| 106    | sneh rana       | rana@gmail.com  | password69 |
| 107    | amanjot kaur   | kaur@gmail.com  | password77 |
| 108    | harleen deol    | deol@gmail.com  | password80 |
| 109    | deepti sharma   | sharma@gmail.com | password90 |
| 110    | sayali satghare | satghare@gmail.com | password10 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

Table2 movie

```
create table movies (
    movie_id int primary key,
    title varchar (50),
    duration int
);
```

➤ desc movies;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| movie_id | int    | NO   | PRI  | NULL    |       |
| title     | varchar(50) | YES  |       | NULL    |       |
| duration  | int    | YES  |       | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

Insert values:

Insert into movies (movie_id, title, duration) values

```
(101, 'ram aur Shyam', 136),  
(102, 'Dilwale Dulhania ', 108),  
(103, 'Dil Chahta Hai', 169),  
(104, ' om shanti om', 175),  
(105, 'a few good men', 104),  
(106, 'back to the future', 182),  
(107, 'the godfather ', 142),  
(108, 'the wizard of oz', 189),  
(109, 'the lord of the rings', 155),  
(110, 'silence of the lambs', 195);
```

Select * from movies;

```

mysql> select * from movies;
+-----+-----+-----+
| movie_id | title | duration |
+-----+-----+-----+
| 101 | ram aur shyam | 136 |
| 102 | dilwale dulhania | 108 |
| 103 | dil chahta hai | 169 |
| 104 | om shanti om | 175 |
| 105 | a few good men | 104 |
| 106 | back to the future | 182 |
| 107 | the godfather | 142 |
| 108 | the wizard of oz | 189 |
| 109 | the lord of the rings | 155 |
| 110 | silence of the lambs | 195 |
+-----+-----+-----+
10 rows in set (0.00 sec)

```

Table3 shows:

Create table shows (

Show _id int primary key ,

Movie _id INT,

Show _date DATE

Show _time time ,

price DECIMAL (6,2),

FOREIGN KEY (movie_ id) REFERENCES movies (movie _id)

);

➤ Desc show;

```
mysql> desc shows;
+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| show_id | int   | NO   | PRI | NULL    |       |
| movie_id | int   | YES  | MUL | NULL    |       |
| show_date | date  | YES  |      | NULL    |       |
| show_time | time  | YES  |      | NULL    |       |
| price    | decimal(6,2) | YES |      | NULL    |       |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

Insert values:

```
insert into shows (show_id, movie_id, show_date, show_time, price) values
(111, 101, '2025-01-01', '10:00:00', 100.00),
(112, 102, '2025-01-01', '13:00:00', 150.00),
(134, 103, '2025-01-02', '15:00:00', 142.00),
(154, 104, '2025-01-02', '18:00:00', 155.00),
(156, 105, '2025-01-03', '11:00:00', 151.00),
(164, 106, '2025-01-03', '14:00:00', 145.00),
(174, 107, '2025-01-04', '16:00:00', 143.50),
(185, 108, '2025-01-04', '19:00:00', 143.50),
(195, 109, '2025-01-05', '12:30:00', 154.00),
(110, 110, '2025-01-05', '17:00:00', 159.00);
```

➤ Select * from show

```
mysql> select * from shows;
+-----+-----+-----+-----+-----+
| show_id | movie_id | show_date | show_time | price |
+-----+-----+-----+-----+-----+
|    110 |     110 | 2025-01-05 | 17:00:00 | 159.00 |
|    111 |     101 | 2025-01-01 | 10:00:00 | 100.00 |
|    112 |     102 | 2025-01-01 | 13:00:00 | 150.00 |
|    134 |     103 | 2025-01-02 | 15:00:00 | 142.00 |
|    154 |     104 | 2025-01-02 | 18:00:00 | 155.00 |
|    156 |     105 | 2025-01-03 | 11:00:00 | 151.00 |
|    164 |     106 | 2025-01-03 | 14:00:00 | 145.00 |
|    174 |     107 | 2025-01-04 | 16:00:00 | 143.50 |
|    185 |     108 | 2025-01-04 | 19:00:00 | 143.50 |
|    195 |     109 | 2025-01-05 | 12:30:00 | 154.00 |
+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

Table4seats:

```
create table seats (
seat_id int primary key,
seat_number VARCHAR (10)
);
```

➤ desc seats;

```
mysql> desc seats;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| seat_id | int | NO | PRI | NULL | |
| seat_number | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Insert values

```
insert into seats (seat_id, seat_number) values  
(1011,'k1'),  
(1022,'k2'),  
(1033,'k3'),  
(1044,'k4'),  
(1055,'k5'),  
(1066,'k6'),  
(1077,'k7'),  
(1088,'k8'),  
(1099,'k9'),  
(1160,'k10');
```

➤ **Select * from seats;**

```
mysql> select * from seats;  
+-----+-----+  
| seat_id | seat_number |  
+-----+-----+  
| 1011   | k1      |  
| 1022   | k2      |  
| 1033   | k3      |  
| 1044   | k4      |  
| 1055   | k5      |  
| 1066   | k6      |  
| 1077   | k7      |  
| 1088   | k8      |  
| 1099   | k9      |  
| 1160   | k10     |  
+-----+-----+  
10 rows in set (0.00 sec)
```

Table5 booking

```
create table bookings (
    booking_id int primary key,
    user_id int,
    show_id int,
    seat_id int,
    booking_time datetime,
    foreign key (user_id) references users (user_id),
    foreign key (show_id) references shows (show_id),
    foreign key (seat_id) references seats (seat_id)
);
```

➤ Desc bookings;

```
mysql> desc bookings;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| booking_id | int | NO | PRI | NULL |
| user_id | int | YES | MUL | NULL |
| show_id | int | YES | MUL | NULL |
| seat_id | int | YES | MUL | NULL |
| booking_time | datetime | YES | | NULL |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

Insert values

```
insert into bookings (booking_id, user_id, show_id, seat_id, booking_time)
values
(1011, 101, 110, 1011, '2025-01-01 10:00:00'),
```

```
(1021, 102, 111, 1022, '2025-01-02 11:00:00'),  
(1031, 103, 112, 1033, '2025-01-03 12:00:00'),  
(1041, 104, 134, 1044, '2025-01-04 13:00:00'),  
(1051, 105, 154, 1055, '2025-01-05 14:00:00'),  
(1061, 106, 156, 1066, '2025-01-06 15:00:00'),  
(1071, 107, 164, 1077, '2025-01-07 16:00:00'),  
(1081, 108, 174, 1088, '2025-01-08 17:00:00'),  
(1091, 109, 185, 1099, '2025-01-09 18:00:00'),  
(1101, 110, 195, 1160, '2025-01-10 19:00:00');
```

➤ Select * from bookings;

```
mysql> select * from bookings;  
+-----+-----+-----+-----+-----+  
| booking_id | user_id | show_id | seat_id | booking_time |  
+-----+-----+-----+-----+-----+  
| 1011 | 101 | 110 | 1011 | 2025-01-01 10:00:00 |  
| 1021 | 102 | 111 | 1022 | 2025-01-02 11:00:00 |  
| 1031 | 103 | 112 | 1033 | 2025-01-03 12:00:00 |  
| 1041 | 104 | 134 | 1044 | 2025-01-04 13:00:00 |  
| 1051 | 105 | 154 | 1055 | 2025-01-05 14:00:00 |  
| 1061 | 106 | 156 | 1066 | 2025-01-06 15:00:00 |  
| 1071 | 107 | 164 | 1077 | 2025-01-07 16:00:00 |  
| 1081 | 108 | 174 | 1088 | 2025-01-08 17:00:00 |  
| 1091 | 109 | 185 | 1099 | 2025-01-09 18:00:00 |  
| 1101 | 110 | 195 | 1160 | 2025-01-10 19:00:00 |  
+-----+-----+-----+-----+-----+  
10 rows in set (0.00 sec)
```