Standard Movie Ticket Booking (MySQL)

Entities:- USERS (user_id, name, email, password) –

MOVIES (movie_id, title, genre, duration) –

SHOWS (show_id, movie_id, show_date, show_time, price) –

SEATS (seat_id, seat_number) –

BOOKINGS (booking_id, user_id, show_id, seat_id, booking_time)

1. Create Table Users   2. Create Table Movies

```
6 rows in set (0.0111 sec)
 MySQL  localhost:33060+ ssl  mydb  SQL > use movieproject;
Default schema set to `movieproject`.
Fetching global names, object names from `movieproject` for auto-completion... Press ^C to stop.
 MySQL  localhost:33060+ ssl  movieproject  SQL > CREATE TABLE users (
                                  -> user_id INT PRIMARY KEY AUTO_INCREMENT,
                                  -> name VARCHAR(100),
                                  -> email VARCHAR(100) UNIQUE,

                                  -> password VARCHAR(100)
                                  -> );
Query OK, 0 rows affected (0.1326 sec)
 MySQL  localhost:33060+ ssl  movieproject  SQL > CREATE TABLE movies (
                                  -> movie_id INT PRIMARY KEY AUTO_INCREMENT,
                                  -> title VARCHAR(150),
                                  -> genre VARCHAR(50),
                                  -> duration INT
                                  -> );
Query OK, 0 rows affected (0.0454 sec)
```

3. Create Table shows

```
show_time ` at line 1
 MySQL  localhost:33060+ ssl  movieproject  SQL > CREATE TABLE shows (
                                  -> show_id INT PRIMARY KEY AUTO_INCREMENT,
                                  -> movie_id INT,
                                  -> show_date DATE,
                                  -> show_time TIME,
                                  -> price DECIMAL(6,2),
                                  -> FOREIGN KEY (movie_id) REFERENCES movies(movie_id)
                                  -> );
Query OK, 0 rows affected (0.1088 sec)
```

4. Create Table seats   5. Create Table bookings

```
seat_number ` at line 1
 MySQL  localhost:33060+ ssl  movieproject  SQL > CREATE TABLE seats (
                                  -> seat_id INT PRIMARY KEY AUTO_INCREMENT,
                                  -> seat_number VARCHAR(10)
                                  -> );
Query OK, 0 rows affected (0.0894 sec)
 MySQL  localhost:33060+ ssl  movieproject  SQL > CREATE TABLE bookings (
                                  -> booking_id INT PRIMARY KEY AUTO_INCREMENT,
                                  -> 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)
                                  -> );
Query OK, 0 rows affected (0.1177 sec)
 MySQL  localhost:33060+ ssl  movieproject  SQL > show tables;
+----------------------+
| Tables_in_movieproject |
+----------------------+
| bookings             |
| movies               |
| seats                |
| shows                |
| users                |
+----------------------+
```

Insert data into above tables

1. Insert user data into users table

```
Query OK, 0 rows affected (0.0431 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into users(name,email,password) values ('alice','alice@gmail.com','p#111'), ('bob','bob@hotmail.com','p#222'), ('carry','carry@gmail.com','p#333'), ('john','john@gmail.com','p#444'), ('nancy','nancy@gmail.com','p#555'), ('steve','steve@gmail.com','p#666'),
('mike','mike@gmail.com','p#777'), ('ele','ele@gmail.com','p#888'), ('will','will@gmail.com','p#999'), ('dustin','dustin@gmail.com','p#10'), ('lucas','lucas@gmail.com','p#11'), ('max','max@gmail.com','p#12'), ('henry','henry@gmail.com','p#13');
Query OK, 13 rows affected (0.0091 sec)

Records: 13  Duplicates: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from users;

| user_id | name   | email            | password |
|      1  | alice  | alice@gmail.com  | p#111    |
|      2  | bob    | bob@hotmail.com  | p#222    |
|      3  | carry  | carry@gmail.com  | p#333    |
|      4  | john   | john@gmail.com   | p#444    |
|      5  | nancy  | nancy@gmail.com  | p#555    |
|      6  | steve  | steve@gmail.com  | p#666    |
|      7  | mike   | mike@gmail.com   | p#777    |
|      8  | ele    | ele@gmail.com    | p#888    |
|      9  | will   | will@gmail.com   | p#999    |
|     10  | dustin | dustin@gmail.com | p#10     |
|     11  | lucas  | lucas@gmail.com  | p#11     |
|     12  | max    | max@gmail.com    | p#12     |
|     13  | henry  | henry@gmail.com  | p#13     |

13 rows in set (0.0014 sec)
```

2. Insert movie data into movies table

```
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into movies(title,genre,duration) values
    -> ('inception','sci-fi','148'),
    -> ('the lion king','Animation','135'),
    -> ('The Avengers:The age of ultron','superhero','160'),
    -> ('War','Action','165'),
    -> ('12th Fail','drama','142'),
    -> ('Spider-man:No way home','superhero','152'),
    -> ('Rocky aur rani ki prem kahani','romance','168'),
    -> ('Dune: part 2','scifi','165'),
    -> ('The Avengers: Endgame','Action','176'),
    -> ('Bhool-bhulaiya 3','horror-comedy','164'),
    -> ('stree 2','horror-comedy','157'),
    -> ('Ramayan','Animation','172'),
    -> ('saiyyara','romance','152');
Query OK, 13 rows affected (0.0130 sec)

Records: 13  Duplicates: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from movies;
+----------+--------------------------------+---------------+----------+
| movie_id | title                          | genre         | duration |
+----------+--------------------------------+---------------+----------+
|        1 | inception                      | sci-fi        |      148 |
|        2 | the lion king                  | Animation     |      135 |
|        3 | The Avengers:The age of ultron | superhero     |      160 |
|        4 | War                            | Action        |      165 |
|        5 | 12th Fail                      | drama         |      142 |
|        6 | Spider-man:No way home         | superhero     |      152 |
|        7 | Rocky aur rani ki prem kahani  | romance       |      168 |
|        8 | Dune: part 2                   | scifi         |      165 |
|        9 | The Avengers: Endgame          | Action        |      176 |
|       10 | Bhool-bhulaiya 3               | horror-comedy |      164 |
|       11 | stree 2                        | horror-comedy |      157 |
|       12 | Ramayan                        | Animation     |      172 |
|       13 | saiyyara                       | romance       |      152 |
+----------+--------------------------------+---------------+----------+
13 rows in set (0.0114 sec)
```

3. Insert Shows data in shows Table

```
MySQL  localhost:33060+ ssl  movieproject  SQL > INSERT INTO shows (movie_id, show_date, show_time, price) VALUES
    -> (1, '2026-03-15', '14:00:00', 300.00),
    -> (1, '2026-03-15', '19:00:00', 370.0),
    -> (2, '2026-03-15', '20:30:00', 250.50),
    -> (3, '2026-03-16', '10:00:00', 300.00),
    -> (4, '2026-03-16', '13:00:00', 220.00),
    -> (4, '2026-03-16', '18:30:00', 240.00),
    -> (5, '2026-03-16', '21:00:00', 180.00),
    -> (6, '2026-03-17', '15:00:00', 270.50),
    -> (7, '2026-03-17', '12:00:00', 240.00),
    -> (7, '2026-03-17', '20:15:00', 260.00),
    -> (8, '2026-03-17', '19:45:00', 350.00),
    -> (9, '2026-03-18', '20:00:00', 375.50),
    -> (10, '2026-03-18', '11:00:00', 250.00),
    -> (11, '2026-03-18', '22:30:00', 290.00),
    -> (12, '2026-03-19', '14:00:00', 280.00),
    -> (12, '2026-03-19', '19:00:00', 180.00);
Query OK, 16 rows affected (0.0174 sec)

Records: 16  Duplicates: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from shows;
+---------+----------+------------+-----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+-----------+--------+
|       1 |        1 | 2026-03-15 | 14:00:00  | 300.00 |
|       2 |        1 | 2026-03-15 | 19:00:00  | 370.00 |
|       3 |        2 | 2026-03-15 | 20:30:00  | 250.50 |
|       4 |        3 | 2026-03-16 | 10:00:00  | 300.00 |
|       5 |        4 | 2026-03-16 | 13:00:00  | 220.00 |
|       6 |        4 | 2026-03-16 | 18:30:00  | 240.00 |
|       7 |        5 | 2026-03-16 | 21:00:00  | 180.00 |
|       8 |        6 | 2026-03-17 | 15:00:00  | 270.50 |
|       9 |        7 | 2026-03-17 | 12:00:00  | 240.00 |
|      10 |        7 | 2026-03-17 | 20:15:00  | 260.00 |
|      11 |        8 | 2026-03-17 | 19:45:00  | 350.00 |
|      12 |        9 | 2026-03-18 | 20:00:00  | 375.50 |
|      13 |       10 | 2026-03-18 | 11:00:00  | 250.00 |
|      14 |       11 | 2026-03-18 | 22:30:00  | 290.00 |
|      15 |       12 | 2026-03-19 | 14:00:00  | 280.00 |
|      16 |       12 | 2026-03-19 | 19:00:00  | 180.00 |
+---------+----------+------------+-----------+--------+
16 rows in set (0.0020 sec)
```

4. Insert seats data in seats Table

Query OK, 0 rows affected (0.0289 sec)

```
MySQL  localhost:33060+ ssl  movieproject  SQL > INSERT INTO seats (seat_number) VALUES ('A1'), ('A2'), ('A3'), ('A4'),('A5'), ('B1'),('B2'),('B3'),('B4'),('B5'),('B6'), ('C1'),('C2'),('C3'),('C4'),('C5'),('C6'), ('D1'), ('D2'),('D3'),('D4'),('D5'),('D6'), ('E1'),('E2'),('E3'),('E4'),('E5'),('E6') ,('F1'),('F2')
),('F3'),('F4'),('F5'),('F6'),('F7'),('F8');
Records: 37  Duplicates: 0  Warnings: 0
Query OK, 37 rows affected (0.0194 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from seats;
```

seat_id	seat_number
1	A1
2	A2
3	A3
4	A4
5	A5
6	B1
7	B2
8	B3
9	B4
10	B5
11	B6
12	C1
13	C2
14	C3
15	C4
16	C5
17	C6
18	D1
19	D2
20	D3
21	D4
22	D5
23	D6
24	E1
25	E2
26	E3
27	E4
28	E5
29	E6
30	F1
31	F2
32	F3
33	F4
34	F5
35	F6
36	F7
37	F8

```
37 rows in set (0.0019 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > |
```

5. Insert booking records in bookings Table


```
MySQL  localhost:33060+ ssl  movieproject  SQL > INSERT INTO bookings (user_id, show_id, seat_id, booking_time) VALUES
                                               -> (1, 1, 8, now()),
                                               -> (1, 16, 9,now()),
                                               -> (2, 1, 22,now()),
                                               -> (3, 2, 5,now()),
                                               -> (4, 3, 10,now()),
                                               -> (5, 4, 34,now()),
                                               -> (6, 6, 12,now()),
                                               -> (6, 16, 34,now()),
                                               -> (7, 7, 30,now()),
                                               -> (7, 16, 32,now()),
                                               -> (4, 13, 33,now()),
                                               -> (8, 8, 15,now()),
                                               -> (2,9, 27,now()),
                                               -> (9, 10, 23,now()),
                                               -> (10, 12, 29,now()),
                                               -> (11, 14, 30, now()),
                                               -> (12, 15, 18, now()),
                                               -> (1, 4, 15, now()),
                                               -> (2, 6, 12, now()),
                                               -> (3, 15, 20, now());
Query OK, 20 rows affected (0.0327 sec)

Records: 20  Duplicates: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL >
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from bookings;
```

booking_id	user_id	show_id	seat_id	booking_time
1	1	1	8	2026-02-13 18:19:33
2	1	16	9	2026-02-13 18:19:33
3	2	1	22	2026-02-13 18:19:33
4	3	2	5	2026-02-13 18:19:33
5	4	3	10	2026-02-13 18:19:33
6	5	4	34	2026-02-13 18:19:33
7	6	6	12	2026-02-13 18:19:33
8	6	16	34	2026-02-13 18:19:33
9	7	7	30	2026-02-13 18:19:33
10	7	16	32	2026-02-13 18:19:33
11	4	13	33	2026-02-13 18:19:33
12	8	8	15	2026-02-13 18:19:33
13	2	9	27	2026-02-13 18:19:33
14	9	10	23	2026-02-13 18:19:33
15	10	12	29	2026-02-13 18:19:33
16	11	14	30	2026-02-13 18:19:33
17	12	15	18	2026-02-13 18:19:33
18	1	4	15	2026-02-13 18:19:33
19	2	6	12	2026-02-13 18:19:33
20	3	15	20	2026-02-13 18:19:33

Movie Ticket Booking System – SQL Questions

1. Write a query to display all users stored in the system.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #1.display all users stored in the system
Query OK, 0 rows affected (0.0010 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select user_id,name,email from users;
+---------+--------+-------------------+
| user_id | name   | email             |
+---------+--------+-------------------+
|       1 | alice  | alice@gmail.com   |
|       2 | bob    | bob@hotmail.com   |
|       3 | carry  | carry@gmail.com   |
|       4 | john   | john@gmail.com    |
|       5 | nancy  | nancy@gmail.com   |
|       6 | steve  | steve@gmail.com   |
|       7 | mike   | mike@gmail.com    |
|       8 | ele    | ele@@gmail.com    |
|       9 | will   | will@gmail.com    |
|      10 | dustin | dustin@gmail.com  |
|      11 | lucas  | lucas@gmail.com   |
|      12 | max    | max@gmail.com     |
|      13 | henry  | henry@gmail.com   |
+---------+--------+-------------------+
13 rows in set (0.0507 sec)
```

2. Write a query to list all movies in the movie table.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #2.query to list all movies in the movie table
Query OK, 0 rows affected (0.0010 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from movies;
+----------+------------------------------+---------------+----------+
| movie_id | title                        | genre         | duration |
+----------+------------------------------+---------------+----------+
|        1 | inception                    | sci-fi        |      148 |
|        2 | the lion king                | Animation     |      135 |
|        3 | The Avengers:The age of ultron | superhero   |      160 |
|        4 | War                          | Action        |      165 |
|        5 | 12th Fail                    | drama         |      142 |
|        6 | Spider-man:No way home       | superhero     |      152 |
|        7 | Rocky aur rani ki prem kahani | romance      |      168 |
|        8 | Dune: part 2                 | scifi         |      165 |
|        9 | The Avengers: Endgame        | Action        |      176 |
|       10 | Bhool-bhulaiya 3             | horror-comedy |      164 |
|       11 | stree 2                      | horror-comedy |      157 |
|       12 | Ramayan                      | Animation     |      172 |
|       13 | saiyyara                     | romance       |      152 |
+----------+------------------------------+---------------+----------+
13 rows in set (0.0069 sec)
```

3. Write a query to display all available shows.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > select *  from shows
+---------+----------+------------+----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+----------+--------+
|       1 |        1 | 2026-02-15 | 14:00:00 | 300.00 |
|       2 |        1 | 2026-02-15 | 19:00:00 | 370.00 |
|       3 |        2 | 2026-02-15 | 20:30:00 | 250.50 |
|       4 |        3 | 2026-02-16 | 10:00:00 | 300.00 |
|       5 |        4 | 2026-02-16 | 13:00:00 | 220.00 |
|       6 |        4 | 2026-02-16 | 18:30:00 | 240.00 |
|       7 |        5 | 2026-02-16 | 21:00:00 | 180.00 |
|       8 |        6 | 2026-02-17 | 15:00:00 | 270.50 |
|       9 |        7 | 2026-02-17 | 12:00:00 | 240.00 |
|      10 |        7 | 2026-02-17 | 20:15:00 | 260.00 |
|      11 |        8 | 2026-02-17 | 19:45:00 | 350.00 |
|      12 |        9 | 2026-02-18 | 20:00:00 | 375.50 |
|      13 |       10 | 2026-02-18 | 11:00:00 | 250.00 |
|      14 |       11 | 2026-02-18 | 22:30:00 | 290.00 |
|      15 |       12 | 2026-02-19 | 14:00:00 | 280.00 |
|      16 |       12 | 2026-02-19 | 19:00:00 | 180.00 |
+---------+----------+------------+----------+--------+
16 rows in set (0.0019 sec)
```

4. Write a query to fetch details of a movie using its movie_id.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #4.query to fetch details of a movie using its movie
_id
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select
                                            -> title,genre from movies
                                            -> where movie_id=2;
+----------------+-----------+
| title          | genre     |
+----------------+-----------+
| the lion king  | Animation |
+----------------+-----------+
1 row in set (0.0034 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select title,genre from movies where movie_id=15;
Empty set (0.0453 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select title,genre from movies where movie_id=12;
+----------+-----------+
| title    | genre     |
+----------+-----------+
| Ramayan  | Animation |
+----------+-----------+
1 row in set (0.0017 sec)
```

5. Write a query to list all shows of a particular movie.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #5.query to list all shows of a particular movie
Query OK, 0 rows affected (0.0014 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select m.title,s.show_date,s.show_time
                                            -> from movies m inner join shows s
                                            -> on m.movie_id=s.movie_id
                                            -> where s.movie_id=1;
+-----------+------------+-----------+
| title     | show_date  | show_time |
+-----------+------------+-----------+
| inception | 2026-03-15 | 14:00:00  |
| inception | 2026-03-15 | 19:00:00  |
+-----------+------------+-----------+
2 rows in set (0.0028 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select m.title,s.show_date,s.show_time from movies m
 inner join shows s on m.movie_id=s.movie_id where s.movie_id=4;
+-------+------------+-----------+
| title | show_date  | show_time |
+-------+------------+-----------+
| War   | 2026-03-16 | 13:00:00  |
| War   | 2026-03-16 | 18:30:00  |
+-------+------------+-----------+
2 rows in set (0.0024 sec)
```

6. Write a query to list all seat numbers from the seats table.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #6.query to list all seat numbers from the seats table
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select seat_number from seats;
+-------------+
| seat_number |
+-------------+
| A1          |
| A2          |
| A3          |
| A4          |
| A5          |
| B1          |
| B2          |
| B3          |
| B4          |
| B5          |
| B6          |
| C1          |
| C2          |
| C3          |
| C4          |
| C5          |
| C6          |
| D1          |
| D2          |
| D3          |
| D4          |
| D5          |
| D6          |
| E1          |
| E2          |
| E3          |
| E4          |
| E5          |
| E6          |
| F1          |
| F2          |
| F3          |
| F4          |
| F5          |
| F6          |
| F7          |
| F8          |
+-------------+
37 rows in set (0.0025 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > |
```

7. Write a query to find available seats for a specific show.

```
                                     -> `(
MySQL  localhost:33060+ ssl  movieproject  SQL > #7.query to find available seats for a specific show
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select seat_number from seats
                                     -> where seat_id not in (select seat_id from bookings where show_id=5);
+-------------+
| seat_number |
+-------------+
| A1          |
| A2          |
| A3          |
| A4          |
| A5          |
| B1          |
| B2          |
| B3          |
| B4          |
| B5          |
| B6          |
| C1          |
| C2          |
| C3          |
| C4          |
| C5          |
| C6          |
| D1          |
| D2          |
| D3          |
| D4          |
| D5          |
| D6          |
| E1          |
| E2          |
| E3          |
| E4          |
| E5          |
| E6          |
| F1          |
| F2          |
| F3          |
| F4          |
| F5          |
| F6          |
| F7          |
| F8          |
+-------------+
37 rows in set (0.0035 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL >
```

8. Write a query to display all booked seats for a specific show.

```
on b.sea' at line 1
MySQL  localhost:33060+ ssl  movieproject  SQL > # 8. display all booked seats for a specific show
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select s.seat_number from seats s
                                     -> inner join bookings b
                                     -> on s.seat_id=b.seat_id
                                     -> where show_id=1;
+-------------+
| seat_number |
+-------------+
| B3          |
| D5          |
+-------------+
2 rows in set (0.0031 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select s.seat_number from seats s
                                     -> inner join bookings b
                                     -> on s.seat_id=b.seat_id
                                     -> where show_id=16;
+-------------+
| seat_number |
+-------------+
| B4          |
| F5          |
| F3          |
+-------------+
3 rows in set (0.0025 sec)
```

9. Write a query to insert a new user into the users table.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > # 9.query to insert a new user into the users table
Query OK, 0 rows affected (0.0013 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into users(name,email,password) values ('joyce','joyce@hotmail.co
m','p#14');
Query OK, 1 row affected (0.0096 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from users;
+---------+--------+---------------------+----------+
| user_id | name   | email               | password |
+---------+--------+---------------------+----------+
|       1 | alice  | alice@gmail.com     | p#111    |
|       2 | bob    | bob@hotmail.com     | p#222    |
|       3 | carry  | carry@gmail.com     | p#333    |
|       4 | john   | john@gmail.com      | p#444    |
|       5 | nancy  | nancy@gmail.com     | p#555    |
|       6 | steve  | steve@gmail.com     | p#666    |
|       7 | mike   | mike@gmail.com      | p#777    |
|       8 | ele    | ele@@gmail.com      | p#888    |
|       9 | will   | will@gmail.com      | p#999    |
|      10 | dustin | dustin@gmail.com    | p#10     |
|      11 | lucas  | lucas@gmail.com     | p#11     |
|      12 | max    | max@gmail.com       | p#12     |
|      13 | henry  | henry@gmail.com     | p#13     |
|      14 | joyce  | joyce@hotmail.com   | p#14     |
+---------+--------+---------------------+----------+
14 rows in set (0.0022 sec)
```

10. Write a query to insert a new movie into the movies table.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #.10  query to insert a new movie into the movies table
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into movies(title,genre,duration)
                                           -> values ('dhurandhar','Action','190');
Query OK, 1 row affected (0.0078 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from movies;
+----------+--------------------------------+--------------+----------+
| movie_id | title                          | genre        | duration |
+----------+--------------------------------+--------------+----------+
|        1 | inception                      | sci-fi       |      148 |
|        2 | the lion king                  | Animation    |      135 |
|        3 | The Avengers:The age of ultron | superhero    |      160 |
|        4 | War                            | Action       |      165 |
|        5 | 12th Fail                      | drama        |      142 |
|        6 | Spider-man:No way home         | superhero    |      152 |
|        7 | Rocky aur rani ki prem kahani  | romance      |      168 |
|        8 | Dune: part 2                   | scifi        |      165 |
|        9 | The Avengers: Endgame          | Action       |      176 |
|       10 | Bhool-bhulaiya 3               | horror-comedy|      164 |
|       11 | stree 2                        | horror-comedy|      157 |
|       12 | Ramayan                        | Animation    |      172 |
|       13 | saiyyara                       | romance      |      152 |
|       14 | dhurandhar                     | Action       |      190 |
+----------+--------------------------------+--------------+----------+
14 rows in set (0.0024 sec)
```

11. Write a query to insert a new show into the shows table.

```
Query OK, 0 rows affected (0.0015 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into shows(movie_id,show_date,show_time,price) values
                                           -> ('14','2026-02-14','18:30:00','350'),
                                           -> ('14','2026-02-16','21:30:00','390'),
                                           -> ('14','2026-02-19','11:30:00','240');
Query OK, 3 rows affected (0.0537 sec)

Records: 3  Duplicates: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > update shows set show_date= date_sub(show_date,interval 1 month);
Query OK, 19 rows affected (0.0186 sec)

Rows matched: 19  Changed: 19  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from shows;
+---------+----------+------------+-----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+-----------+--------+
|       1 |        1 | 2026-02-15 | 14:00:00  | 300.00 |
|       2 |        1 | 2026-02-15 | 19:00:00  | 370.00 |
|       3 |        2 | 2026-02-15 | 20:30:00  | 250.50 |
|       4 |        3 | 2026-02-16 | 10:00:00  | 300.00 |
|       5 |        4 | 2026-02-16 | 13:00:00  | 220.00 |
|       6 |        4 | 2026-02-16 | 18:30:00  | 240.00 |
|       7 |        5 | 2026-02-16 | 21:00:00  | 180.00 |
|       8 |        6 | 2026-02-17 | 15:00:00  | 270.50 |
|       9 |        7 | 2026-02-17 | 12:00:00  | 240.00 |
|      10 |        7 | 2026-02-17 | 20:15:00  | 260.00 |
|      11 |        8 | 2026-02-17 | 19:45:00  | 350.00 |
|      12 |        9 | 2026-02-18 | 20:00:00  | 375.50 |
|      13 |       10 | 2026-02-18 | 11:00:00  | 250.00 |
|      14 |       11 | 2026-02-18 | 22:30:00  | 290.00 |
|      15 |       12 | 2026-02-19 | 14:00:00  | 280.00 |
|      16 |       12 | 2026-02-19 | 19:00:00  | 180.00 |
|      17 |       14 | 2026-01-14 | 18:30:00  | 350.00 |
|      18 |       14 | 2026-01-16 | 21:30:00  | 390.00 |
|      19 |       14 | 2026-01-19 | 11:30:00  | 240.00 |
+---------+----------+------------+-----------+--------+
19 rows in set (0.0451 sec)
```

```
19 rows in set (0.0451 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > update shows set show_date= date_add(show_date,interval 1 month) where
ovie_id=14;
Query OK, 3 rows affected (0.0094 sec)

Rows matched: 3  Changed: 3  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from shows;
+---------+----------+------------+-----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+-----------+--------+
|       1 |        1 | 2026-02-15 | 14:00:00  | 300.00 |
|       2 |        1 | 2026-02-15 | 19:00:00  | 370.00 |
|       3 |        2 | 2026-02-15 | 20:30:00  | 250.50 |
|       4 |        3 | 2026-02-16 | 10:00:00  | 300.00 |
|       5 |        4 | 2026-02-16 | 13:00:00  | 220.00 |
|       6 |        4 | 2026-02-16 | 18:30:00  | 240.00 |
|       7 |        5 | 2026-02-16 | 21:00:00  | 180.00 |
|       8 |        6 | 2026-02-17 | 15:00:00  | 270.50 |
|       9 |        7 | 2026-02-17 | 12:00:00  | 240.00 |
|      10 |        7 | 2026-02-17 | 20:15:00  | 260.00 |
|      11 |        8 | 2026-02-17 | 19:45:00  | 350.00 |
|      12 |        9 | 2026-02-18 | 20:00:00  | 375.50 |
|      13 |       10 | 2026-02-18 | 11:00:00  | 250.00 |
|      14 |       11 | 2026-02-18 | 22:30:00  | 290.00 |
|      15 |       12 | 2026-02-19 | 14:00:00  | 280.00 |
|      16 |       12 | 2026-02-19 | 19:00:00  | 180.00 |
|      17 |       14 | 2026-02-14 | 18:30:00  | 350.00 |
|      18 |       14 | 2026-02-16 | 21:30:00  | 390.00 |
|      19 |       14 | 2026-02-19 | 11:30:00  | 240.00 |
+---------+----------+------------+-----------+--------+
19 rows in set (0.0458 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL >
```

12. Write a query to add a new seat to the seats table.

```
MySQL  localhost:33060+ ssl  movieproject  SQL >
MySQL  localhost:33060+ ssl  movieproject  SQL > #.12 query to add a new seat to the seats table.
Query OK, 0 rows affected (0.0447 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into seats(seat_number) values ('g1');
Query OK, 1 row affected (0.0527 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL >
```

13. Write a query to book a ticket for a user. 14. Write a query to display all bookings.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #. 13. query to book a tickets for a user
Query OK, 0 rows affected (0.0013 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > insert into bookings(user_id,show_id,seat_id,booking_time) values
    -> ('14','17','34',now()),
    -> ('12','18','33',now()),
    -> ('11','19','24',now()),
    ->  ('10','17','35',now());
Query OK, 4 rows affected (0.0527 sec)

Records: 4  Duplicates: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|          1 |       1 |       1 |       8 | 2026-02-13 18:19:33 |
|          2 |       1 |      16 |       9 | 2026-02-13 18:19:33 |
|          3 |       2 |       1 |      22 | 2026-02-13 18:19:33 |
|          4 |       3 |       2 |       5 | 2026-02-13 18:19:33 |
|          5 |       4 |       3 |      10 | 2026-02-13 18:19:33 |
|          6 |       5 |       4 |      34 | 2026-02-13 18:19:33 |
|          7 |       6 |       6 |      12 | 2026-02-13 18:19:33 |
|          8 |       6 |      16 |      34 | 2026-02-13 18:19:33 |
|          9 |       7 |       7 |      30 | 2026-02-13 18:19:33 |
|         10 |       7 |      16 |      32 | 2026-02-13 18:19:33 |
|         11 |       4 |      13 |      33 | 2026-02-13 18:19:33 |
|         12 |       8 |       8 |      15 | 2026-02-13 18:19:33 |
|         13 |       2 |       9 |      27 | 2026-02-13 18:19:33 |
|         14 |       9 |      10 |      23 | 2026-02-13 18:19:33 |
|         15 |      10 |      12 |      29 | 2026-02-13 18:19:33 |
|         16 |      11 |      14 |      30 | 2026-02-13 18:19:33 |
|         17 |      12 |      15 |      18 | 2026-02-13 18:19:33 |
|         18 |       1 |       4 |      15 | 2026-02-13 18:19:33 |
|         19 |       2 |       6 |      12 | 2026-02-13 18:19:33 |
|         20 |       3 |      15 |      20 | 2026-02-13 18:19:33 |
|         21 |      14 |      17 |      34 | 2026-02-13 21:09:45 |
|         22 |      12 |      18 |      33 | 2026-02-13 21:09:45 |
|         23 |      11 |      19 |      24 | 2026-02-13 21:09:45 |
|         24 |      10 |      17 |      35 | 2026-02-13 21:09:45 |
+------------+---------+---------+---------+---------------------+
24 rows in set (0.0024 sec)
```

15. Write a query to display booking history for a specific user.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > select b.user_id, m.title,s.show_date,s.show_time from movies m inner jo
in shows s inner join bookings b on m.movie_id=s.show_id and s.show_id=b.booking_id where b.user_id in (1,2,3);
+---------+-----------------------------+------------+-----------+
| user_id | title                       | show_date  | show_time |
+---------+-----------------------------+------------+-----------+
|       1 | inception                   | 2026-02-15 | 14:00:00  |
|       1 | the lion king               | 2026-02-15 | 19:00:00  |
|       2 | The Avengers:The age of ultron | 2026-02-15 | 20:30:00  |
|       2 | saiyyara                    | 2026-02-18 | 11:00:00  |
|       3 | War                         | 2026-02-16 | 10:00:00  |
+---------+-----------------------------+------------+-----------+
5 rows in set (0.0029 sec)
```

16. Write a query to count total bookings for a specific show.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > select show_id, count(*) as Total_Booking from bookings
    -> where show_id=16
    -> group by show_id;
+---------+---------------+
| show_id | Total_Booking |
+---------+---------------+
|      16 |             3 |
+---------+---------------+
1 row in set (0.0471 sec)
```

17. Write a query to count total bookings for a specific movie.

```
1 row in set (0.0217 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > # 17. Write a query to count total bookings for a specific movie
Query OK, 0 rows affected (0.0009 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL >  select m.title,count(b.booking_id) as Total_bookings
    -> from movies m inner join shows s inner join bookings b
    ->  on m.movie_id=s.movie_id and s.show_id=b.show_id
    -> where m.title='dhurandhar'
    -> group by m.title;
+------------+----------------+
| title      | Total_bookings |
+------------+----------------+
| dhurandhar |              4 |
+------------+----------------+
1 row in set (0.0146 sec)
```

18. Write a query to find all movies of a specific genre.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #.17. query to find all movies of a specific genre
Query OK, 0 rows affected (0.0011 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select title,genre from movies
                                           -> where genre='superhero';
+-------------------------------+-----------+
| title                         | genre     |
+-------------------------------+-----------+
| The Avengers:The age of ultron | superhero |
| Spider-man:No way home        | superhero |
+-------------------------------+-----------+
2 rows in set (0.0020 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select title,genre from movies  where genre='Action';
+-----------------------+--------+
| title                 | genre  |
+-----------------------+--------+
| War                   | Action |
| The Avengers: Endgame | Action |
| dhurandhar            | Action |
+-----------------------+--------+
3 rows in set (0.0023 sec)
```

19. Write a query to update the duration of a movie.

```
Rows matched: 1  Changed: 1  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > #. Write a query to update the duration of a movie.
Query OK, 0 rows affected (0.0008 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > update movies set duration='149' where title='inception';
Query OK, 1 row affected (0.0025 sec)

Rows matched: 1  Changed: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from movies;
+----------+-------------------------------+--------------+----------+
| movie_id | title                         | genre        | duration |
+----------+-------------------------------+--------------+----------+
|        1 | inception                     | Sci-fi       |      149 |
|        2 | the lion king                 | Animation    |      135 |
|        3 | The Avengers:The age of ultron | superhero   |      160 |
|        4 | War                           | Action       |      165 |
|        5 | 12th Fail                     | drama        |      142 |
|        6 | Spider-man:No way home        | superhero    |      152 |
|        7 | Rocky aur rani ki prem kahani | romance      |      168 |
|        8 | Dune: part 2                  | Sci-fi       |      165 |
|        9 | The Avengers: Endgame         | Action       |      176 |
|       10 | Bhool-bhulaiya 3              | horror-comedy |     164 |
|       12 | Ramayan                       | Animation    |      172 |
|       13 | saiyyara                      | romance      |      152 |
|       14 | dhurandhar                    | Action       |      190 |
+----------+-------------------------------+--------------+----------+
13 rows in set (0.0024 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL >
```

20. Write a query to update the seat number for a given seat_id.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #20.query to update the seat number for a given seat_id
Query OK, 0 rows affected (0.0010 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > update seats set seat_number='A11' where seat_id=1;
Query OK, 1 row affected (0.0019 sec)

Rows matched: 1  Changed: 0  Warnings: 0
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from seats limit 5;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A11         |
|       2 | A2          |
|       3 | A3          |
|       4 | A4          |
|       5 | A5          |
+---------+-------------+
5 rows in set (0.0019 sec)
```

21. Write a query to delete a specific booking record.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > C
MySQL  localhost:33060+ ssl  movieproject  SQL > # 21.query to delete a specific booking record
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > delete from bookings where booking_id=3;
Query OK, 1 row affected (0.0550 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from bookings limit 5;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|          1 |       1 |       1 |       8 | 2026-02-13 18:19:33 |
|          2 |       1 |      16 |       9 | 2026-02-13 18:19:33 |
|          4 |       3 |       2 |       5 | 2026-02-13 18:19:33 |
|          5 |       4 |       3 |      10 | 2026-02-13 18:19:33 |
|          6 |       5 |       4 |      34 | 2026-02-13 18:19:33 |
+------------+---------+---------+---------+---------------------+
5 rows in set (0.0020 sec)
```

22. Write a query to delete a movie from the movies table.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #. 22.query to delete a movie from the movies table
Query OK, 0 rows affected (0.0017 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > set foreign_key_checks=0;
Query OK, 0 rows affected (0.0461 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > delete from movies where title='Stree 2';
Query OK, 1 row affected (0.0513 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > set foreign_key_checks=1;
Query OK, 0 rows affected (0.0012 sec)
```

23. Write a query to list movies longer than 2 hours.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #.23 query to list movies longer than 2 hours
Query OK, 0 rows affected (0.0014 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select * from movies where duration > 120;
+----------+----------------------------+-------------+----------+
| movie_id | title                      | genre       | duration |
+----------+----------------------------+-------------+----------+
|        1 | inception                  | Sci-fi      |      148 |
|        2 | the lion king              | Animation   |      135 |
|        3 | The Avengers:The age of ultron | superhero |    160 |
|        4 | War                        | Action      |      165 |
|        5 | 12th Fail                  | drama       |      142 |
|        6 | Spider-man:No way home     | superhero   |      152 |
|        7 | Rocky aur rani ki prem kahani | romance  |      168 |
|        8 | Dune: part 2               | Sci-fi      |      165 |
|        9 | The Avengers: Endgame      | Action      |      176 |
|       10 | Bhool-bhulaiya 3           | horror-comedy |    164 |
|       12 | Ramayan                    | Animation   |      172 |
|       13 | saiyyara                   | romance     |      152 |
|       14 | dhurandhar                 | Action      |      190 |
+----------+----------------------------+-------------+----------+
13 rows in set (0.0024 sec)
```

24. Write a query to find shows scheduled for today's date.

```
MySQL  localhost:33060+ ssl  movieproject  SQL > #24.query to find shows scheduled for today's date
Query OK, 0 rows affected (0.0009 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select b.show_id,s.show_date
                                             -> from bookings b inner join shows s
                                             -> on b.show_id=s.show_id
                                             -> where s.show_date=curdate();
Empty set (0.0017 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select b.show_id,s.show_date from bookings b inner j
oin shows s on b.show_id=s.show_id where s.show_date=curdate()+1;
+---------+------------+
| show_id | show_date  |
+---------+------------+
|      17 | 2026-02-14 |
|      17 | 2026-02-14 |
+---------+------------+
2 rows in set (0.0128 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > # above is tommar
Query OK, 0 rows affected (0.0009 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > # above is tommorrow
Query OK, 0 rows affected (0.0008 sec)
```

25. Write a query to list upcoming shows sorted by date and time.

```
Query OK, 0 rows affected (0.0012 sec)
MySQL  localhost:33060+ ssl  movieproject  SQL > select s.show_id,m.title,s.show_date,s.show_time
                                            ->  from shows s inner join movies m
                                            -> on m.movie_id= s.movie_id
                                            -> where show_date>curdate()
                                            -> order by show_date,show_time;
+----------+------------------------------+------------+------------+
| show_id  | title                        | show_date  | show_time  |
+----------+------------------------------+------------+------------+
|       17 | dhurandhar                   | 2026-02-14 | 18:30:00   |
|        1 | inception                    | 2026-02-15 | 14:00:00   |
|        2 | inception                    | 2026-02-15 | 19:00:00   |
|        3 | the lion king                | 2026-02-15 | 20:30:00   |
|        4 | The Avengers:The age of ultron | 2026-02-16 | 10:00:00 |
|        5 | War                          | 2026-02-16 | 13:00:00   |
|        6 | War                          | 2026-02-16 | 18:30:00   |
|        7 | 12th Fail                    | 2026-02-16 | 21:00:00   |
|       18 | dhurandhar                   | 2026-02-16 | 21:30:00   |
|        9 | Rocky aur rani ki prem kahani | 2026-02-17 | 12:00:00  |
|        8 | Spider-man:No way home       | 2026-02-17 | 15:00:00   |
|       11 | Dune: part 2                 | 2026-02-17 | 19:45:00   |
|       10 | Rocky aur rani ki prem kahani | 2026-02-17 | 20:15:00  |
|       13 | Bhool-bhulaiya 3             | 2026-02-18 | 11:00:00   |
|       12 | The Avengers: Endgame        | 2026-02-18 | 20:00:00   |
|       19 | dhurandhar                   | 2026-02-19 | 11:30:00   |
|       15 | Ramayan                      | 2026-02-19 | 14:00:00   |
|       16 | Ramayan                      | 2026-02-19 | 19:00:00   |
+----------+------------------------------+------------+------------+
18 rows in set (0.0028 sec)
```