Create database

```
mysql> create database projects;
Query OK, 1 row affected (0.06 sec)

mysql>
```

Create table users

```
mysql> 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 (0.14 sec)

mysql>
```

Insert data into user

```
mysql> use movieproject;
Database changed
mysql> insert into users (name, email, password)
    -> values
    -> ('gourav', 'gourav@gmail.com', 'gour876'),
    -> ('ronit', 'ronit@gmail.com', 'roht987'),
    -> ('sujjin', 'sujjin@gmail.com', 'sujui076'),
    -> ('devan', 'devan@gmail.com', 'dev096'),
    -> ('mohit', 'mohit@gmail.com', 'mohi006'),
    -> ('danish', 'danish@gmail.com', 'dani776'),
    -> ('kashif', 'kashif@gmail.com', 'kashi876'),
    -> ('medha', 'medha@gmail.com', 'medha76'),
    -> ('shruti', 'shruti@gmail.com', 'shriti176'),
    -> ('abhi', 'abhi@gmail.com', 'abhi658'),
    -> ('vithi', 'vithi@gmail.com', 'vithi76'),
    -> ('kritika', 'kritika@gmail.com', 'krithi06');
Query OK, 12 rows affected (0.12 sec)
Records: 12  Duplicates: 0  Warnings: 0

mysql> select * from users;
+---------+---------+-------------------+-----------+
| user_id | NAME    | email             | password  |
+---------+---------+-------------------+-----------+
|       1 | gourav  | gourav@gmail.com  | gour876   |
|       2 | ronit   | ronit@gmail.com   | roht987   |
|       3 | sujjin  | sujjin@gmail.com  | sujui076  |
|       4 | devan   | devan@gmail.com   | dev096    |
|       5 | mohit   | mohit@gmail.com   | mohi006   |
|       6 | danish  | danish@gmail.com  | dani776   |
|       7 | kashif  | kashif@gmail.com  | kashi876  |
|       8 | medha   | medha@gmail.com   | medha76   |
|       9 | shruti  | shruti@gmail.com  | shriti176 |
|      10 | abhi    | abhi@gmail.com    | abhi658   |
|      11 | vithi   | vithi@gmail.com   | vithi76   |
|      12 | kritika | kritika@gmail.com | krithi06  |
+---------+---------+-------------------+-----------+
12 rows in set (0.00 sec)

mysql>
```

CREATE TABLE MOVIES

```
mysql> CREATE TABLE movies (
    -> movie_id INT PRIMARY KEY AUTO_INCREMENT,
    -> title VARCHAR(150),
    -> genre VARCHAR(50),
    -> duration INT
    -> );
Query OK, 0 rows affected (0.05 sec)

mysql>
```

INSERT DATA INTO MOVIES

```
mysql>  insert into movies (title, genre, duration)
    -> values
    -> ('dj', 'action', 2),
    -> ('creak', 'action', 3.2),
    -> ('goalmal', 'comedy', 3.3),
    -> ('dhamal', 'comedy', 2.2),
    -> ('malamal', 'comedy', 1),
    -> ('iron man', 'action', 2.5),
    -> ('surya', 'action', 4),
    -> ('one bak', 'action', 3),
    -> ('vash', 'triller', 3.5),
    -> ('dhrishayam', 'triller', 5),
    -> ('dhoom', 'triller', 5);
Query OK, 11 rows affected (0.05 sec)
Records: 11  Duplicates: 0  Warnings: 0

mysql> select * from movies;
+----------+------------+---------+----------+
| movie_id | title      | genre   | duration |
+----------+------------+---------+----------+
|        1 | dj         | action  |        2 |
|        2 | creak      | action  |        3 |
|        3 | goalmal    | comedy  |        3 |
|        4 | dhamal     | comedy  |        2 |
|        5 | malamal    | comedy  |        1 |
|        6 | iron man   | action  |        3 |
|        7 | surya      | action  |        4 |
|        8 | one bak    | action  |        3 |
|        9 | vash       | triller |        4 |
|       10 | dhrishayam | triller |        5 |
|       11 | dhoom      | triller |        5 |
+----------+------------+---------+----------+
11 rows in set (0.00 sec)

mysql>
```

CREATE TABLE SHOWS

```
mysql> 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 (0.07 sec)

mysql>
```

INSERT DATA INTO SHOWS

```
mysql> INSERT INTO shows (movie_id, show_date, show_time, price)
    -> VALUES
    -> (1, '2026-02-15', '18:30:00', 250.00),
    -> (3, '2026-02-16', '21:00:00', 300.00),
    -> (5, '2026-02-18', '24:00:00', 400.00),
    -> (7, '2026-02-18', '14:00:00', 450.00),
    -> (9, '2026-02-17', '12:00:00', 550.00),
    -> (10, '2026-02-15', '11:00:00', 200.00),
    -> (8, '2026-02-14', '10:00:00', 320.00),
    -> (6, '2026-02-21', '08:00:00', 220.00),
    -> (4, '2026-02-21', '20:30:00', 530.00),
    -> (2, '2026-02-19', '13:30:00', 300.00);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> select * from shows;
+---------+----------+------------+-----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+-----------+--------+
|       1 |        1 | 2026-02-15 | 18:30:00  | 250.00 |
|       2 |        3 | 2026-02-16 | 21:00:00  | 300.00 |
|       3 |        5 | 2026-02-18 | 24:00:00  | 400.00 |
|       4 |        7 | 2026-02-18 | 14:00:00  | 450.00 |
|       5 |        9 | 2026-02-17 | 12:00:00  | 550.00 |
|       6 |       10 | 2026-02-15 | 11:00:00  | 200.00 |
|       7 |        8 | 2026-02-14 | 10:00:00  | 320.00 |
|       8 |        6 | 2026-02-21 | 08:00:00  | 220.00 |
|       9 |        4 | 2026-02-21 | 20:30:00  | 530.00 |
|      10 |        2 | 2026-02-19 | 13:30:00  | 300.00 |
+---------+----------+------------+-----------+--------+
10 rows in set (0.00 sec)
```

CREATE TABLE SEATS

```
mysql> CREATE TABLE seats (
    -> seat_id INT PRIMARY KEY AUTO_INCREMENT,
    -> seat_number VARCHAR(10)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql>
```

INSERT DATA INTO SEATS

```
mysql> INSERT INTO seats (seat_number)
    -> values
    -> ('A1'),
    -> ('A2'),
    -> ('A3'),
    -> ('B1'),
    -> ('B2'),
    -> ('B3'),
    -> ('C1'),
    -> ('C2'),
    -> ('C3'),
    -> ('Z1');
Query OK, 10 rows affected (0.04 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM SEATS;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       3 | A3          |
|       4 | B1          |
|       5 | B2          |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
+---------+-------------+
10 rows in set (0.00 sec)
```

CREATE TABLE BOOKINGS

```
mysql> 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 (0.10 sec)

mysql>
```

INSERT DATA INTO BOOKINGS

```
mysql> INSERT INTO bookings (user_id, show_id, seat_id, booking_time)
    -> VALUES
    -> (1, 1, 3, NOW()),
    -> (2, 1, 4, NOW()),
    -> (2, 2, 6, NOW()),
    -> (1, 4, 6, NOW()),
    -> (3, 9, 5, NOW()),
    -> (9, 5, 4, NOW()),
    -> (3, 6, 9, NOW()),
    -> (8, 5, 2, '2026-02-13 18:00:00'),
    -> (7, 4, 1, '2026-02-15 14:00:00'),
    -> (3, 5, 7, '2026-02-13 18:00:00');
Query OK, 10 rows affected (0.02 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|          1 |       1 |       1 |       3 | 2026-02-16 20:37:04 |
|          2 |       2 |       1 |       4 | 2026-02-16 20:37:04 |
|          3 |       2 |       2 |       6 | 2026-02-16 20:37:04 |
|          4 |       1 |       4 |       6 | 2026-02-16 20:37:04 |
|          5 |       3 |       9 |       5 | 2026-02-16 20:37:04 |
|          6 |       9 |       5 |       4 | 2026-02-16 20:37:04 |
|          7 |       3 |       6 |       9 | 2026-02-16 20:37:04 |
|          8 |       8 |       5 |       2 | 2026-02-13 18:00:00 |
|          9 |       7 |       4 |       1 | 2026-02-15 14:00:00 |
|         10 |       3 |       5 |       7 | 2026-02-13 18:00:00 |
+------------+---------+---------+---------+---------------------+
10 rows in set (0.00 sec)
```

SHOW ALL THE TABLES

```
mysql> show tables;
+---------------------+
| Tables_in_projects  |
+---------------------+
| bookings            |
| movies              |
| seats               |
| shows               |
| users               |
+---------------------+
5 rows in set (0.04 sec)

mysql>
```

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

```
mysql> select * from users;
+---------+---------+---------------------+-----------+
| user_id | NAME    | email               | password  |
+---------+---------+---------------------+-----------+
|       1 | gourav  | gourav@gmail.com    | gour876   |
|       2 | ronit   | ronit@gmail.com     | roht987   |
|       3 | sujjin  | sujjin@gmail.com    | sujui076  |
|       4 | devan   | devan@gmail.com     | dev096    |
|       5 | mohit   | mohit@gmail.com     | mohi006   |
|       6 | danish  | danish@gmail.com    | dani776   |
|       7 | kashif  | kashif@gmail.com    | kashi876  |
|       8 | medha   | medha@gmail.com     | medha76   |
|       9 | shruti  | shruti@gmail.com    | shriti176 |
|      10 | abhi    | abhi@gmail.com      | abhi658   |
|      11 | vithi   | vithi@gmail.com     | vithi76   |
|      12 | kritika | kritika@gmail.com   | krithi06  |
+---------+---------+---------------------+-----------+
12 rows in set (0.00 sec)

mysql>
```

1.

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

```
mysql> select * from movies;
+----------+-----------+---------+----------+
| movie_id | title     | genre   | duration |
+----------+-----------+---------+----------+
|        1 | dj        | action  |        2 |
|        2 | creak     | action  |        3 |
|        3 | goalmal   | comedy  |        3 |
|        4 | dhamal    | comedy  |        2 |
|        5 | malamal   | comedy  |        1 |
|        6 | iron man  | action  |        3 |
|        7 | surya     | action  |        4 |
|        8 | one bak   | action  |        3 |
|        9 | vash      | triller |        4 |
|       10 | dhrishayam| triller |        5 |
|       11 | dhoom     | triller |        5 |
+----------+-----------+---------+----------+
11 rows in set (0.00 sec)
```

3.Write a query to display all

available shows

```
mysql> select * from shows;
+---------+----------+------------+-----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+-----------+--------+
|       1 |        1 | 2026-02-15 | 18:30:00  | 250.00 |
|       2 |        3 | 2026-02-16 | 21:00:00  | 300.00 |
|       3 |        5 | 2026-02-18 | 24:00:00  | 400.00 |
|       4 |        7 | 2026-02-18 | 14:00:00  | 450.00 |
|       5 |        9 | 2026-02-17 | 12:00:00  | 550.00 |
|       6 |       10 | 2026-02-15 | 11:00:00  | 200.00 |
|       7 |        8 | 2026-02-14 | 10:00:00  | 320.00 |
|       8 |        6 | 2026-02-21 | 08:00:00  | 220.00 |
|       9 |        4 | 2026-02-21 | 20:30:00  | 530.00 |
|      10 |        2 | 2026-02-19 | 13:30:00  | 300.00 |
+---------+----------+------------+-----------+--------+
10 rows in set (0.00 sec)
```

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

```
mysql> select * from movies
    -> where movie_id = 1;
+----------+-------+--------+----------+
| movie_id | title | genre  | duration |
+----------+-------+--------+----------+
|        1 | dj    | action |        2 |
+----------+-------+--------+----------+
1 row in set (0.01 sec)
```

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

```
mysql> select * from shows
    -> where movie_id = 1;
+---------+----------+------------+------------+--------+
| show_id | movie_id | show_date  | show_time  | price  |
+---------+----------+------------+------------+--------+
|       1 |        1 | 2026-02-15 | 18:30:00   | 250.00 |
+---------+----------+------------+------------+--------+
1 row in set (0.01 sec)
```

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

```
mysql> SELECT * FROM SEATS;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       3 | A3          |
|       4 | B1          |
|       5 | B2          |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
+---------+-------------+
10 rows in set (0.00 sec)
```

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

```
mysql> SELECT seat_id, seat_number
    -> FROM seats
    -> WHERE seat_id NOT IN (
    ->     SELECT seat_id FROM bookings
    ->     WHERE show_id = 1
    -> );
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       5 | B2          |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
+---------+-------------+
8 rows in set (0.00 sec)
```

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

```
mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|         12 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         13 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         14 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         15 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         16 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         17 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         18 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         19 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         20 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         21 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
|         22 |       1 |       5 |       1 | 2026-02-13 18:00:00 |
+------------+---------+---------+---------+---------------------+
11 rows in set (0.00 sec)
```

```
mysql> SELECT se.seat_number, u.name
    -> FROM bookings b
    -> JOIN seats se ON b.seat_id = se.seat_id
    -> JOIN users u ON b.user_id = u.user_id
    -> WHERE b.show_id = 1;
+-------------+-------+
| seat_number | name  |
+-------------+-------+
| A2          | mohit |
+-------------+-------+
1 row in set (0.01 sec)
```

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

```
mysql> insert into users (name, email, password)
    -> values ('gourav', 'gourav@gmail.com', 'gour876');
ERROR 1062 (23000): Duplicate entry 'gourav@gmail.com' for key 'users.email'
mysql> select * from users;
+---------+---------+--------------------+-----------+
| user_id | NAME    | email              | password  |
+---------+---------+--------------------+-----------+
|       1 | gourav  | gourav@gmail.com   | gour876   |
|       2 | ronit   | ronit@gmail.com    | roht987   |
|       3 | sujjin  | sujjin@gmail.com   | sujui076  |
|       4 | devan   | devan@gmail.com    | dev096    |
|       5 | mohit   | mohit@gmail.com    | mohi006   |
|       6 | danish  | danish@gmail.com   | dani776   |
|       7 | kashif  | kashif@gmail.com   | kashi876  |
|       8 | medha   | medha@gmail.com    | medha76   |
|       9 | shruti  | shruti@gmail.com   | shriti176 |
|      10 | abhi    | abhi@gmail.com     | abhi658   |
|      11 | vithi   | vithi@gmail.com    | vithi76   |
|      12 | kritika | kritika@gmail.com  | krithi06  |
+---------+---------+--------------------+-----------+
12 rows in set (0.00 sec)
```

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

```
mysql> insert into movies(title, genre, duration)
    -> values ('luck', 'action', '3');
Query OK, 1 row affected (0.05 sec)

mysql> SELECT * from movies;
+----------+------------+---------+----------+
| movie_id | title      | genre   | duration |
+----------+------------+---------+----------+
|        1 | dj         | action  |        2 |
|        2 | creak      | action  |        3 |
|        3 | goalmal    | comedy  |        3 |
|        4 | dhamal     | comedy  |        2 |
|        5 | malamal    | comedy  |        1 |
|        6 | iron man   | action  |        3 |
|        7 | surya      | action  |        4 |
|        8 | one bak    | action  |        3 |
|        9 | vash       | triller |        4 |
|       10 | dhrishayam | triller |        5 |
|       11 | dhoom      | triller |        5 |
|       12 | dj         | action  |        2 |
|       13 | creak      | action  |        3 |
|       14 | goalmal    | comedy  |        3 |
|       15 | dhamal     | comedy  |        2 |
|       16 | malamal    | comedy  |        1 |
|       17 | iron man   | action  |        3 |
|       18 | surya      | action  |        4 |
|       19 | one bak    | action  |        3 |
|       20 | vash       | triller |        4 |
|       21 | dhrishayam | triller |        5 |
|       22 | dhoom      | triller |        5 |
|       23 | luck       | action  |        3 |
+----------+------------+---------+----------+
23 rows in set (0.00 sec)
```

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

```
mysql> select * from shows;
+---------+----------+------------+------------+--------+
| show_id | movie_id | show_date  | show_time  | price  |
+---------+----------+------------+------------+--------+
|       1 |        1 | 2026-02-15 | 18:30:00   | 250.00 |
|       2 |        3 | 2026-02-16 | 21:00:00   | 300.00 |
|       3 |        5 | 2026-02-18 | 24:00:00   | 400.00 |
|       4 |        7 | 2026-02-18 | 14:00:00   | 450.00 |
|       5 |        9 | 2026-02-17 | 12:00:00   | 550.00 |
|       6 |       10 | 2026-02-15 | 11:00:00   | 200.00 |
|       7 |        8 | 2026-02-14 | 10:00:00   | 320.00 |
|       8 |        6 | 2026-02-21 | 08:30:00   | 220.00 |
|       9 |        4 | 2026-02-21 | 20:30:00   | 530.00 |
|      10 |        2 | 2026-02-19 | 13:30:00   | 300.00 |
+---------+----------+------------+------------+--------+
10 rows in set (0.01 sec)

mysql> insert into shows(movie_id, show_date, show_time, price)
    -> values (12, '2026-02-16', '21:00:00', 300.00);
Query OK, 1 row affected (0.03 sec)

mysql> SELECT * from shows;
+---------+----------+------------+------------+--------+
| show_id | movie_id | show_date  | show_time  | price  |
+---------+----------+------------+------------+--------+
|       1 |        1 | 2026-02-15 | 18:30:00   | 250.00 |
|       2 |        3 | 2026-02-16 | 21:00:00   | 300.00 |
|       3 |        5 | 2026-02-18 | 24:00:00   | 400.00 |
|       4 |        7 | 2026-02-18 | 14:00:00   | 450.00 |
|       5 |        9 | 2026-02-17 | 12:00:00   | 550.00 |
|       6 |       10 | 2026-02-15 | 11:00:00   | 200.00 |
|       7 |        8 | 2026-02-14 | 10:00:00   | 320.00 |
|       8 |        6 | 2026-02-21 | 08:30:00   | 220.00 |
|       9 |        4 | 2026-02-21 | 20:30:00   | 530.00 |
|      10 |        2 | 2026-02-19 | 13:30:00   | 300.00 |
|      11 |       12 | 2026-02-16 | 21:00:00   | 300.00 |
+---------+----------+------------+------------+--------+
11 rows in set (0.00 sec)

mysql>
```

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

```
mysql> select * from seats;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       3 | A3          |
|       4 | B1          |
|       5 | B2          |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
|      11 | A1          |
|      12 | A2          |
|      13 | A3          |
|      14 | B1          |
|      15 | B2          |
|      16 | B3          |
|      17 | C1          |
|      18 | C2          |
|      19 | C3          |
|      20 | Z1          |
+---------+-------------+
20 rows in set (0.01 sec)

mysql> insert into seats (seat_number)
    -> values
    -> ('A4'),
    -> ('B4'),
    -> ('C4'),
    -> ('Z2');
Query OK, 4 rows affected (0.03 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from seats;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       3 | A3          |
|       4 | B1          |
|       5 | B2          |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
|      11 | A1          |
|      12 | A2          |
|      13 | A3          |
|      14 | B1          |
|      15 | B2          |
|      16 | B3          |
|      17 | C1          |
|      18 | C2          |
|      19 | C3          |
|      20 | Z1          |
|      21 | A4          |
|      22 | B4          |
|      23 | C4          |
|      24 | Z2          |
+---------+-------------+
24 rows in set (0.00 sec)

mysql>
```

13.Write a query to book a ticket for a user.

```
mysql> use movieproject
Database changed
mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|         12 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         13 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         14 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         15 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         16 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         17 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         18 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         19 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         20 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         21 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
|         22 |       1 |       5 |       1 | 2026-02-13 18:00:00 |
|         23 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         24 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         25 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         26 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         27 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         28 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         29 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         30 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         31 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         32 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
+------------+---------+---------+---------+---------------------+
21 rows in set (0.06 sec)

mysql> insert into booking (user_id, show_id, seat_id, booking_time)
    -> values (8, 6, 2, now());
ERROR 1146 (42S02): Table 'movieproject.booking' doesn't exist
mysql> insert into bookings (user_id, show_id, seat_id, booking_time)
    -> values (8, 6, 2, now());
Query OK, 1 row affected (0.09 sec)

mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|         12 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         13 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         14 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         15 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         16 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         17 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         18 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         19 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         20 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         21 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
|         22 |       1 |       5 |       1 | 2026-02-13 18:00:00 |
|         23 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         24 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         25 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         26 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         27 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         28 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         29 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         30 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         31 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         32 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
|         33 |       8 |       6 |       2 | 2026-02-22 10:09:43 |
+------------+---------+---------+---------+---------------------+
22 rows in set (0.00 sec)
```

14.Write a query to display all bookings

```
mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|         12 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         13 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         14 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         15 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         16 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         17 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         18 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         19 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         20 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         21 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
|         22 |       1 |       5 |       1 | 2026-02-13 18:00:00 |
|         23 |       1 |       8 |       9 | 2026-02-13 18:00:00 |
|         24 |       2 |       4 |       8 | 2026-02-13 18:00:00 |
|         25 |       3 |       3 |       5 | 2026-02-13 18:00:00 |
|         26 |       4 |       6 |       7 | 2026-02-13 18:00:00 |
|         27 |       5 |       1 |       2 | 2026-02-13 18:00:00 |
|         28 |       6 |       7 |       3 | 2026-02-13 18:00:00 |
|         29 |       7 |       4 |       4 | 2026-02-13 18:00:00 |
|         30 |       8 |       9 |       2 | 2026-02-13 18:00:00 |
|         31 |       9 |       5 |       6 | 2026-02-13 18:00:00 |
|         32 |       1 |       7 |       3 | 2026-02-13 18:00:00 |
|         33 |       8 |       6 |       2 | 2026-02-22 10:09:43 |
+------------+---------+---------+---------+---------------------+
22 rows in set (0.00 sec)

mysql>
```

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

```
mysql> SELECT
    ->     b.booking_id,
    ->     u.name AS user_name,
    ->     m.title AS movie_title,
    ->     s.show_time,
    ->     se.seat_number,
    ->     b.booking_time
    -> FROM bookings b
    -> JOIN users u ON b.user_id = u.user_id
    -> JOIN shows s ON b.show_id = s.show_id
    -> JOIN movies m ON s.movie_id = m.movie_id
    -> JOIN seats se ON b.seat_id = se.seat_id
    -> ORDER BY b.booking_id;
+------------+-----------+-------------+-----------+-------------+---------------------+
| booking_id | user_name | movie_title | show_time | seat_number | booking_time        |
+------------+-----------+-------------+-----------+-------------+---------------------+
|          6 | nair      | matrix      | 21:00:00  | B3          | 2026-02-13 17:13:37 |
|          7 | Danish    | godfather   | 14:00:00  | B3          | 2026-02-13 17:13:37 |
|          8 | siddhesh  | dhamaal     | 20:30:00  | B2          | 2026-02-13 17:13:37 |
|          9 | gaurav    | animal      | 12:00:00  | B1          | 2026-02-13 17:13:37 |
|         10 | siddhesh  | dhurandhar  | 11:00:00  | C3          | 2026-02-13 17:13:37 |
|         11 | pradip    | animal      | 12:00:00  | A2          | 2026-02-13 18:00:00 |
|         12 | yash      | godfather   | 14:00:00  | A1          | 2026-02-15 14:00:00 |
|         13 | siddhesh  | animal      | 12:00:00  | C1          | 2026-02-13 18:00:00 |
|         14 | pradip    | dhurandhar  | 11:00:00  | A2          | 2026-02-16 16:41:20 |
+------------+-----------+-------------+-----------+-------------+---------------------+
9 rows in set (0.00 sec)
```

16.Write a query to count totalbookings for a specific

```
mysql> use movieproject
Database changed
mysql> SELECT COUNT(*) AS totle_bookings
    -> FROM bookings
    -> WHERE show_id = 1;
+----------------+
| totle_bookings |
+----------------+
|              2 |
+----------------+
1 row in set (0.01 sec)
```

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

```
mysql> SELECT COUNT(*) AS totle_bookings
    -> FROM bookings b
    -> JOIN shows s ON b.show_id = s.show_id
    -> WHERE s.movie_id = 1;
+----------------+
| totle_bookings |
+----------------+
|              2 |
+----------------+
1 row in set (0.01 sec)
```

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

```
mysql> SELECT * FROM movies
    -> WHERE genre = 'action';
+----------+----------+--------+----------+
| movie_id | title    | genre  | duration |
+----------+----------+--------+----------+
|        1 | dj       | action |        2 |
|        2 | creak    | action |        3 |
|        6 | iron man | action |        3 |
|        7 | surya    | action |        4 |
|        8 | one bak  | action |        3 |
|       12 | dj       | action |        2 |
|       13 | creak    | action |        3 |
|       17 | iron man | action |        3 |
|       18 | surya    | action |        4 |
|       19 | one bak  | action |        3 |
|       23 | luck     | action |        3 |
+----------+----------+--------+----------+
11 rows in set (0.00 sec)
```

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

```
mysql> select * from movies;
+----------+-------------+---------+----------+
| movie_id | title       | genre   | duration |
+----------+-------------+---------+----------+
|        1 | dj          | action  |        2 |
|        2 | creak       | action  |        3 |
|        3 | goalmal     | comedy  |        3 |
|        4 | dhamal      | comedy  |        2 |
|        5 | malamal     | comedy  |        1 |
|        6 | iron man    | action  |        3 |
|        7 | surya       | action  |        4 |
|        8 | one bak     | action  |        3 |
|        9 | vash        | triller |        4 |
|       10 | dhrishayam  | triller |        5 |
|       11 | dhoom       | triller |        5 |
|       12 | dj          | action  |        2 |
|       13 | creak       | action  |        3 |
|       14 | goalmal     | comedy  |        3 |
|       15 | dhamal      | comedy  |        2 |
|       16 | malamal     | comedy  |        1 |
|       17 | iron man    | action  |        3 |
|       18 | surya       | action  |        4 |
|       19 | one bak     | action  |        3 |
|       20 | vash        | triller |        4 |
|       21 | dhrishayam  | triller |        5 |
|       22 | dhoom       | triller |        5 |
|       23 | luck        | action  |        3 |
+----------+-------------+---------+----------+
23 rows in set (0.00 sec)

mysql> UPDATE movies
    -> SET duration = 150
    -> ^c
    -> ;
ERROR 1054 (42S22): Unknown column 'c' in 'field list'
mysql> UPDATE movies
    -> SET duration = 5
    -> WHERE movie_id = 4;
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from movies;
+----------+-------------+---------+----------+
| movie_id | title       | genre   | duration |
+----------+-------------+---------+----------+
|        1 | dj          | action  |        2 |
|        2 | creak       | action  |        3 |
|        3 | goalmal     | comedy  |        3 |
|        4 | dhamal      | comedy  |        5 |
|        5 | malamal     | comedy  |        1 |
|        6 | iron man    | action  |        3 |
|        7 | surya       | action  |        4 |
|        8 | one bak     | action  |        3 |
|        9 | vash        | triller |        4 |
|       10 | dhrishayam  | triller |        5 |
|       11 | dhoom       | triller |        5 |
|       12 | dj          | action  |        2 |
|       13 | creak       | action  |        3 |
|       14 | goalmal     | comedy  |        3 |
|       15 | dhamal      | comedy  |        2 |
|       16 | malamal     | comedy  |        1 |
|       17 | iron man    | action  |        3 |
|       18 | surya       | action  |        4 |
|       19 | one bak     | action  |        3 |
|       20 | vash        | triller |        4 |
|       21 | dhrishayam  | triller |        5 |
|       22 | dhoom       | triller |        5 |
|       23 | luck        | action  |        3 |
+----------+-------------+---------+----------+
23 rows in set (0.00 sec)
```

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

```
ERROR 1064 (42000): You have an error in y
mysql> select * from seats;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       3 | A3          |
|       4 | B1          |
|       5 | B2          |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
|      11 | A1          |
|      12 | A2          |
|      13 | A3          |
|      14 | B1          |
|      15 | B2          |
|      16 | B3          |
|      17 | C1          |
|      18 | C2          |
|      19 | C3          |
|      20 | Z1          |
|      21 | A4          |
|      22 | B4          |
|      23 | C4          |
|      24 | Z2          |
+---------+-------------+
24 rows in set (0.03 sec)

mysql> UPDATE seats
    -> set seat_number = 'B10'
    -> WHERE seat_id = 5;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from seats;
+---------+-------------+
| seat_id | seat_number |
+---------+-------------+
|       1 | A1          |
|       2 | A2          |
|       3 | A3          |
|       4 | B1          |
|       5 | B10         |
|       6 | B3          |
|       7 | C1          |
|       8 | C2          |
|       9 | C3          |
|      10 | Z1          |
|      11 | A1          |
|      12 | A2          |
|      13 | A3          |
|      14 | B1          |
|      15 | B2          |
|      16 | B3          |
|      17 | C1          |
|      18 | C2          |
|      19 | C3          |
|      20 | Z1          |
|      21 | A4          |
|      22 | B4          |
|      23 | C4          |
|      24 | Z2          |
+---------+-------------+
24 rows in set (0.00 sec)
```

21. Write a query to delete a specificbooking record.

```
mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|          4 |       1 |       1 |       3 | 2026-02-13 17:13:37 |
|          5 |       2 |       1 |       4 | 2026-02-13 17:13:37 |
|          6 |       2 |       2 |       6 | 2026-02-13 17:13:37 |
|          7 |       1 |       4 |       6 | 2026-02-13 17:13:37 |
|          8 |       3 |       9 |       5 | 2026-02-13 17:13:37 |
|          9 |       9 |       5 |       4 | 2026-02-13 17:13:37 |
|         10 |       3 |       6 |       9 | 2026-02-13 17:13:37 |
|         11 |       8 |       5 |       2 | 2026-02-13 18:00:00 |
|         12 |       7 |       4 |       1 | 2026-02-15 14:00:00 |
|         13 |       3 |       5 |       7 | 2026-02-13 18:00:00 |
|         14 |       8 |       6 |       2 | 2026-02-16 16:41:20 |
+------------+---------+---------+---------+---------------------+
11 rows in set (0.00 sec)

mysql> DELETE FROM bookings
    -> WHERE booking_id = 10;
Query OK, 1 row affected (0.01 sec)

mysql> select * from bookings;
+------------+---------+---------+---------+---------------------+
| booking_id | user_id | show_id | seat_id | booking_time        |
+------------+---------+---------+---------+---------------------+
|          4 |       1 |       1 |       3 | 2026-02-13 17:13:37 |
|          5 |       2 |       1 |       4 | 2026-02-13 17:13:37 |
|          6 |       2 |       2 |       6 | 2026-02-13 17:13:37 |
|          7 |       1 |       4 |       6 | 2026-02-13 17:13:37 |
|          8 |       3 |       9 |       5 | 2026-02-13 17:13:37 |
|          9 |       9 |       5 |       4 | 2026-02-13 17:13:37 |
|         11 |       8 |       5 |       2 | 2026-02-13 18:00:00 |
|         12 |       7 |       4 |       1 | 2026-02-15 14:00:00 |
|         13 |       3 |       5 |       7 | 2026-02-13 18:00:00 |
|         14 |       8 |       6 |       2 | 2026-02-16 16:41:20 |
+------------+---------+---------+---------+---------------------+
10 rows in set (0.00 sec)
```

22. Write a query to delete a moviefrom the movies table.

```
mysql> select * from movies;
+----------+-----------+---------+----------+
| movie_id | title     | genre   | duration |
+----------+-----------+---------+----------+
|        1 | dj        | action  |        2 |
|        2 | creak     | action  |        3 |
|        3 | goalmal   | comedy  |        3 |
|        4 | dhamal    | comedy  |        5 |
|        5 | malamal   | comedy  |        1 |
|        6 | iron man  | action  |        3 |
|        7 | surya     | action  |        4 |
|        8 | one bak   | action  |        3 |
|        9 | vash      | triller |        4 |
|       10 | dhrishayam| triller |        5 |
|       11 | dhoom     | triller |        5 |
|       12 | dj        | action  |        2 |
|       13 | creak     | action  |        3 |
|       14 | goalmal   | comedy  |        3 |
|       15 | dhamal    | comedy  |        2 |
|       16 | malamal   | comedy  |        1 |
|       17 | iron man  | action  |        3 |
|       18 | surya     | action  |        4 |
|       19 | one bak   | action  |        3 |
|       20 | vash      | triller |        4 |
|       21 | dhrishayam| triller |        5 |
|       22 | dhoom     | triller |        5 |
|       23 | luck      | action  |        3 |
+----------+-----------+---------+----------+
23 rows in set (0.10 sec)
```

23.Write a query to list movieslonger than 2 hours

```
mysql> select * from movies;
+----------+-----------+---------+----------+
| movie_id | title     | genre   | duration |
+----------+-----------+---------+----------+
|        1 | dj        | action  |        2 |
|        2 | creak     | action  |        3 |
|        3 | goalmal   | comedy  |        3 |
|        4 | dhamal    | comedy  |        5 |
|        5 | malamal   | comedy  |        1 |
|        6 | iron man  | action  |        3 |
|        7 | surya     | action  |        4 |
|        8 | one bak   | action  |        3 |
|        9 | vash      | triller |        4 |
|       10 | dhrishayam| triller |        5 |
|       11 | dhoom     | triller |        5 |
|       12 | dj        | action  |        2 |
|       13 | creak     | action  |        3 |
|       14 | goalmal   | comedy  |        3 |
|       15 | dhamal    | comedy  |        2 |
|       16 | malamal   | comedy  |        1 |
|       17 | iron man  | action  |        3 |
|       18 | surya     | action  |        4 |
|       19 | one bak   | action  |        3 |
|       20 | vash      | triller |        4 |
|       21 | dhrishayam| triller |        5 |
|       22 | dhoom     | triller |        5 |
|       23 | luck      | action  |        3 |
+----------+-----------+---------+----------+
23 rows in set (0.10 sec)

mysql> ^c
    -> select * from movies
    -> where duration > 3;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
ersion for the right syntax to use near '^c
select * from movies
where duration > 3' at line 1
mysql> SELECT * FROM movies
    -> WHERE duration > 3;
+----------+-----------+---------+----------+
| movie_id | title     | genre   | duration |
+----------+-----------+---------+----------+
|        4 | dhamal    | comedy  |        5 |
|        7 | surya     | action  |        4 |
|        9 | vash      | triller |        4 |
|       10 | dhrishayam| triller |        5 |
|       11 | dhoom     | triller |        5 |
|       18 | surya     | action  |        4 |
|       20 | vash      | triller |        4 |
|       21 | dhrishayam| triller |        5 |
|       22 | dhoom     | triller |        5 |
+----------+-----------+---------+----------+
9 rows in set (0.04 sec)
```

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

```
mysql> select * from movies;
+----------+-----------+---------+----------+
| movie_id | title     | genre   | duration |
+----------+-----------+---------+----------+
|        1 | dj        | action  |        2 |
|        2 | creak     | action  |        3 |
|        3 | goalmal   | comedy  |        3 |
|        4 | dhamal    | comedy  |        5 |
|        5 | malamal   | comedy  |        1 |
|        6 | iron man  | action  |        3 |
|        7 | surya     | action  |        4 |
|        8 | one bak   | action  |        3 |
|        9 | vash      | triller |        4 |
|       10 | dhrishayam| triller |        5 |
|       11 | dhoom     | triller |        5 |
|       12 | dj        | action  |        2 |
|       13 | creak     | action  |        3 |
|       14 | goalmal   | comedy  |        3 |
|       15 | dhamal    | comedy  |        2 |
|       16 | malamal   | comedy  |        1 |
|       17 | iron man  | action  |        3 |
|       18 | surya     | action  |        4 |
|       19 | one bak   | action  |        3 |
|       20 | vash      | triller |        4 |
|       21 | dhrishayam| triller |        5 |
|       22 | dhoom     | triller |        5 |
|       23 | luck      | action  |        3 |
+----------+-----------+---------+----------+
23 rows in set (0.10 sec)

mysql> ^c
    -> select * from movies
    -> where duration > 3;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
ersion for the right syntax to use near '^c
select * from movies
where duration > 3' at line 1
mysql> SELECT * FROM movies
    -> WHERE duration > 3;
+----------+-----------+---------+----------+
| movie_id | title     | genre   | duration |
+----------+-----------+---------+----------+
|        4 | dhamal    | comedy  |        5 |
|        7 | surya     | action  |        4 |
|        9 | vash      | triller |        4 |
|       10 | dhrishayam| triller |        5 |
|       11 | dhoom     | triller |        5 |
|       18 | surya     | action  |        4 |
|       20 | vash      | triller |        4 |
|       21 | dhrishayam| triller |        5 |
|       22 | dhoom     | triller |        5 |
+----------+-----------+---------+----------+
9 rows in set (0.04 sec)
```

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

```
mysql> SELECT * FROM shows;
+---------+----------+------------+-----------+--------+
| show_id | movie_id | show_date  | show_time | price  |
+---------+----------+------------+-----------+--------+
|       1 |        1 | 2026-02-15 | 18:30:00  | 250.00 |
|       2 |        3 | 2026-02-16 | 21:00:00  | 300.00 |
|       3 |        5 | 2026-02-18 | 24:00:00  | 400.00 |
|       4 |        7 | 2026-02-18 | 14:00:00  | 450.00 |
|       5 |        9 | 2026-02-17 | 12:00:00  | 550.00 |
|       6 |       10 | 2026-02-15 | 11:00:00  | 200.00 |
|       7 |        8 | 2026-02-14 | 10:00:00  | 320.00 |
|       8 |        6 | 2026-02-21 | 08:00:00  | 220.00 |
|       9 |        4 | 2026-02-21 | 20:30:00  | 530.00 |
|      10 |        2 | 2026-02-19 | 13:30:00  | 300.00 |
|      11 |       12 | 2026-03-01 | 12:00:00  | 500.00 |
+---------+----------+------------+-----------+--------+
11 rows in set (0.00 sec)

mysql> SELECT s.show_id, m.title, s.show_time
    -> FROM shows s
    -> JOIN movies m ON s.movie_id = m.movie_id
    -> WHERE s.show_time > NOW()
    -> ORDER BY s.show_time ASC;
+---------+---------+-----------+
| show_id | title   | show_time |
+---------+---------+-----------+
|       9 | dhamaal | 20:30:00  |
|       2 | matrix  | 21:00:00  |
|       3 | f1      | 24:00:00  |
+---------+---------+-----------+
3 rows in set (0.02 sec)
```