

```
MySQL 8.0 Command Line Cli x + v
+-----+-----+-----+-----+
| bus_number | destination | departure_time | seats |
+-----+-----+-----+-----+
| BUS102     | Chennai    | 2025-09-02 10:30:00 | 50 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

mysql> SELECT U.name, B.bus_number, B.source, B.destination,
-> T.seat_no, P.payment_status, Q.qr_data
-> FROM Tickets T
-> JOIN Users U ON T.user_id = U.user_id
-> JOIN Buses B ON T.bus_id = B.bus_id
-> JOIN Payments P ON T.ticket_id = P.ticket_id
-> JOIN QR_Codes Q ON T.ticket_id = Q.ticket_id
-> WHERE T.ticket_id = 1;
+-----+-----+-----+-----+-----+-----+-----+
| name      | bus_number | source   | destination | seat_no | payment_status | qr_data
+-----+-----+-----+-----+-----+-----+-----+
| Amit Sharma | BUS101    | Hyderabad | Bangalore   | 12      | Completed      | QR:BUS101-Seat12-User1-Ticket1
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> UPDATE Tickets
-> SET status='Cancelled'
-> WHERE ticket_id=1;
Query OK, 1 row affected (0.02 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT seats - COUNT(T.ticket_id) AS available_seats
-> FROM Buses B
-> LEFT JOIN Tickets T ON B.bus_id = T.bus_id AND T.status='Booked'
-> WHERE B.bus_id = 1
-> GROUP BY B.bus_id;
+-----+
| available_seats |
+-----+
| 40              |
+-----+
```