

Airline Reservation System - MySQL

onecompiler.com/mysql/43w3qg9nx

OneCompiler

LOGIN

queries.sql

Airline Reservation System

AI NEW MySQL RUN

```
50 -- Sample Customers
51 INSERT INTO Customers (name, email)
52 VALUES
53 ('John Doe', 'john@example.com'),
54 ('Jane Smith', 'jane@example.com');
55
56 -- Insert Seats for flights (1)
57 INSERT INTO Seats (flight_id, seat_id, seat_number)
58 SELECT 1, CONCAT('A', LPAD(n, 2, '0')), n
59 FROM (SELECT 1 UNION ALL SELECT 2 UNION ALL SELECT 3 UNION ALL SELECT 4 UNION ALL SELECT 5 UNION ALL SELECT 6 UNION ALL SELECT 7 UNION ALL SELECT 8 UNION ALL SELECT 9 UNION ALL SELECT 10) AS n;
60
61 -- Bookings
62 INSERT INTO Bookings (customer_id, flight_id, seat_id, booking_date)
63 VALUES (1, 1, 1), (2, 1, 2);
64
65 SELECT seat_id, seat_number FROM Seats
66 WHERE flight_id = 1 AND is_available = 1;
67
68 SELECT * FROM Flights
69 WHERE origin = 'Delhi' AND destination = 'Mumbai'
70 AND departure_time >= NOW();
71
72 DELIMITER //
73
74 CREATE TRIGGER after_booking_insert
75 AFTER INSERT ON Bookings
76 FOR EACH ROW
77 BEGIN
78     UPDATE Seats SET is_available = 0
79     WHERE flight_id = NEW.flight_id AND seat_id = NEW.seat_id;
80 END; //
81
```

STDIN

Input for the program (Optional)

Output:

seat_id	seat_number
1	A01
2	A02
3	A03
4	A04
5	A05
6	A06
7	A07
8	A08
9	A09
10	A10

flight_id	flight_number	origin	destination	departure_time	arrival_time	total_seats
1	AI101	Delhi	Mumbai	2025-09-15 08:00:00	2025-09-15 10:00:00	150

flight_number	origin	destination	total_bookings
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Quick search

24°C Sunny

10:02 08-09-2025

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NEW

MYSQL

RUN

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SELECT seat_id, seat_number FROM
WHERE flight_id = 1 AND is_avai

SELECT * FROM Flights
WHERE origin = 'Delhi' AND des
AND departure_time >= NOW();

DELIMITER //

CREATE TRIGGER after_booking_i
AFTER INSERT ON Bookings
FOR EACH ROW
BEGIN
UPDATE Seats SET is_availa
END; //

DELIMITER ;

DELIMITER //

CREATE TRIGGER after_booking_u
AFTER UPDATE ON Bookings
FOR EACH ROW
BEGIN
IF NEW.status = 'Cancelled'
UPDATE Seats SET is_av
END IF;
END; //

DELIMITER ;

STDIN

Input for the program (Optional)

1	A01
2	A02
3	A03
4	A04
5	A05
6	A06
7	A07
8	A08
9	A09
10	A10

flight_id	flight_number	origin	destination	departure_time	arrival_time	total_seats
1	AI101	Delhi	Mumbai	2025-09-15 08:00:00	2025-09-15 10:00:00	150

flight_number	origin	destination	total_bookings
AI101	Delhi	Mumbai	2
AI102	Delhi	Bangalore	0

Quick search

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10:03
08-09-2025