

--task 1

BEGIN ;

SELECT \* FROM booking WHERE booking\_id = 2;

DELETE FROM booking WHERE booking\_id = 2;

SELECT \* FROM booking WHERE booking\_id = 2 ;

COMMIT;

BEGIN ;

SELECT \* FROM booking WHERE booking\_id = 'abc';

DELETE FROM booking WHERE booking\_id = 'abc';

SELECT \* FROM booking;

ROLLBACK;

COMMIT;

-- task2

BEGIN;

SELECT \* FROM flights WHERE flight\_id = 1;

```
UPDATE flights SET scheduled_departure = '2020-10-01' WHERE flight_id = 1;
```

```
SELECT * FROM flights WHERE flight_id = 1;
```

```
COMMIT;
```

```
BEGIN;
```

```
SELECT * FROM flights WHERE flight_id = 'abc';
```

```
UPDATE flights SET scheduled_departure = '2020-10-01' WHERE flight_id = 'abc';
```

```
SELECT * FROM flights WHERE flight_id = 'abc';
```

```
ROLLBACK;
```

```
COMMIT;
```

```
--task 3
```

```
BEGIN;
```

```
SELECT * FROM booking b  
JOIN booking_flight bf ON b.booking_id = bf.booking_id  
JOIN flights f ON f.flight_id = bf.flight_id  
WHERE f.flight_id = 15;
```

```
UPDATE booking b  
SET price = b.price - 10
```

```
FROM booking_flight bf
JOIN flights f ON f.flight_id = bf.flight_id
WHERE b.booking_id = bf.booking_id
AND f.flight_id = 15;
```

```
SELECT * FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON f.flight_id = bf.flight_id
WHERE f.flight_id = 15;
```

```
COMMIT;
```

```
BEGIN;
```

```
SELECT * FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON f.flight_id = bf.flight_id
WHERE f.flight_id = 'abc';
```

```
UPDATE booking b
SET price = b.price - 10
FROM booking_flight bf
JOIN flights f ON f.flight_id = bf.flight_id
WHERE b.booking_id = bf.booking_id
AND f.flight_id = 'abc';
```

```
SELECT * FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
JOIN flights f ON f.flight_id = bf.flight_id
```

```
WHERE f.flight_id = 'abc';
```

```
ROLLBACK;
```

```
COMMIT;
```

```
--task 4
```

```
BEGIN;
```

```
SELECT * FROM passengers WHERE passenger_id = 1;
```

```
UPDATE passengers SET last_name = 'Alan'
```

```
WHERE passenger_id = 1;
```

```
SELECT * FROM passengers WHERE passenger_id = 1;
```

```
COMMIT;
```

```
--task 5
```

```
BEGIN;
```

```
SELECT * FROM passengers;
```

```
INSERT INTO passengers(passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number, created_at, update_at)
```

```
VALUES(202,'Sasha', 'Go', '2025-01-01', 'Male', 'Russia', 'RU', '2-2', '2000-02-13', '2022-12-04');
```

```
INSERT INTO booking(booking_id, passenger_id, booking_platform, created_at, update_at, status, price)
```

```
VALUES(501,202, 'Kazak', '2024-01-01', '2023-12-20', 'Female', 1000);
```

```
SELECT * FROM booking WHERE booking_id = 501;
```

```
COMMIT;
```

--task 6

```
BEGIN;
```

```
SELECT b.booking_id, b.price, f.flight_no  
FROM booking b  
JOIN booking_flight bf ON b.booking_id = bf.booking_id  
JOIN flights f ON f.flight_id = bf.flight_id  
WHERE f.flight_id = 15;
```

```
UPDATE booking b SET price = price - 10  
FROM flights f  
JOIN booking_flight bf ON bf.booking_id = b.booking_id  
WHERE f.flight_id = bf.flight_id  
AND f.flight_id = 15;
```

```
SELECT b.booking_id, b.price, f.flight_no  
FROM booking b  
JOIN booking_flight bf ON b.booking_id = bf.booking_id  
JOIN flights f ON f.flight_id = bf.flight_id  
WHERE f.flight_id = 15;
```

```
COMMIT;
```

--task 7

```
BEGIN;
```

```
SELECT ba.* FROM baggage ba
JOIN booking b ON ba.booking_id = b.booking_id
JOIN passengers p ON p.passenger_id = b.passenger_id
WHERE p.passenger_id = 1;
```

```
UPDATE baggage ba SET weight_in_kg = 12
FROM booking b
JOIN passengers p ON p.passenger_id = b.passenger_id
WHERE ba.booking_id = b.booking_id
AND p.passenger_id = 1;
```

```
SELECT ba.* FROM baggage ba
JOIN booking b ON ba.booking_id = b.booking_id
JOIN passengers p ON p.passenger_id = b.passenger_id
WHERE p.passenger_id = 1;
```

```
COMMIT;
```

```
-- task 8
```

```
BEGIN;
```

```
SELECT b.* FROM booking b
JOIN passengers p
ON b.passenger_id = p.passenger_id
WHERE b.passenger_id = 15;
```

```
UPDATE booking b SET price = b.price * 0.9  
FROM passengers p  
WHERE p.passenger_id = b.passenger_id  
AND b.passenger_id = 15;
```

```
SELECT b.* FROM booking b  
JOIN passengers p  
ON b.passenger_id = p.passenger_id  
WHERE b.passenger_id = 15;
```

```
COMMIT;
```

```
BEGIN;
```

```
SELECT b.* FROM booking b  
JOIN passengers p  
ON b.passenger_id = p.passenger_id  
WHERE b.passenger_id = 'abc';
```

```
UPDATE booking b SET b.price = b.price * 0.9  
FROM passengers p  
WHERE p.passenger_id = b.passenger_id  
AND b.passenger_id = 'abc';
```

```
SELECT b.* FROM booking b  
JOIN passengers p  
ON b.passenger_id = p.passenger_id
```

```
WHERE b.passenger_id = 'abc';
```

```
ROLLBACK;
```

```
COMMIT;
```

```
--task 9
```

```
BEGIN;
```

```
SELECT * FROM booking_flight WHERE flight_id = 339;
```

```
UPDATE booking_flight SET flight_id = 62 WHERE flight_id = 339;
```

```
SELECT * FROM booking_flight WHERE flight_id = 62;
```

```
COMMIT;
```