Laborotory work 3

0.

I added some extra data to my DB before doing the third laboratory work.

1.


```sql
SELECT * FROM passengers
WHERE first_name = last_name;
```

passenger_id [PK] integer	first_name character varying (50)	last_name character varying (50)	date_of_birth date	gender character varying (50)	country_of_citizenship character varying (50)	country_of_residence character varying (50)	passport_num character vary
1	Aruzhan	Aruzhan	2002-01-12	Female	Kazakhstan	Kazakhstan	KZ123456
6	Yerbol	Yerbol	1998-10-14	Male	Kazakhstan	Kazakhstan	KZ445566

2.


```sql
SELECT
    DISTINCT last_name
FROM passengers;
```

	last_name character varying (50)
1	Adil
2	Nur
3	Yerbol
4	Dias
5	Serik
6	Sultan
7	Bek
8	Aruzhan
9	Ali

3.


```sql
SELECT * FROM passengers
    WHERE gender = 'Male'
    AND date_of_birth BETWEEN '1990-01-01' AND '2000-01-01';
```

	passenger_id [PK] integer	first_name character varying (50)	last_name character varying (50)	date_of_birth date	gender character varying (50)	country_of_citizenship character varying (50)	country_of_residence character varying (50)	passport_num character vary
1	2	Dias	Bek	1999-07-20	Male	Kazakhstan	Turkey	TR556677
2	4	Nursultan	Ali	1995-12-05	Male	Kazakhstan	Russia	RU223344
3	6	Yerbol	Yerbol	1998-10-14	Male	Kazakhstan	Kazakhstan	KZ445566
4	8	Azamat	Nur	1997-06-18	Male	Kazakhstan	Kazakhstan	KZ990011
5	9	Alikhan	Dias	1992-02-02	Male	Kazakhstan	Poland	PL667788

4.


```sql
SELECT LEFT(created_at::text, 7) AS month, SUM(ticket_price) AS total_price
FROM booking
GROUP BY month
ORDER BY month;
```

	month text	total_price numeric
1	2023-11	115000.00
2	2023-12	100000.00
3	2024-01	165000.00
4	2024-02	90000.00
5	2024-03	180000.00

5.

6.

7.


```sql
SELECT airline_name
    FROM airline
    WHERE airline_country = 'Kazakhstan';
```

8.


```sql
UPDATE booking
SET ticket_price = ticket_price * 0.9
WHERE created_at < '2023-11-01';
```

UPDATE 0

Query returned successfully in 69 msec.

9.
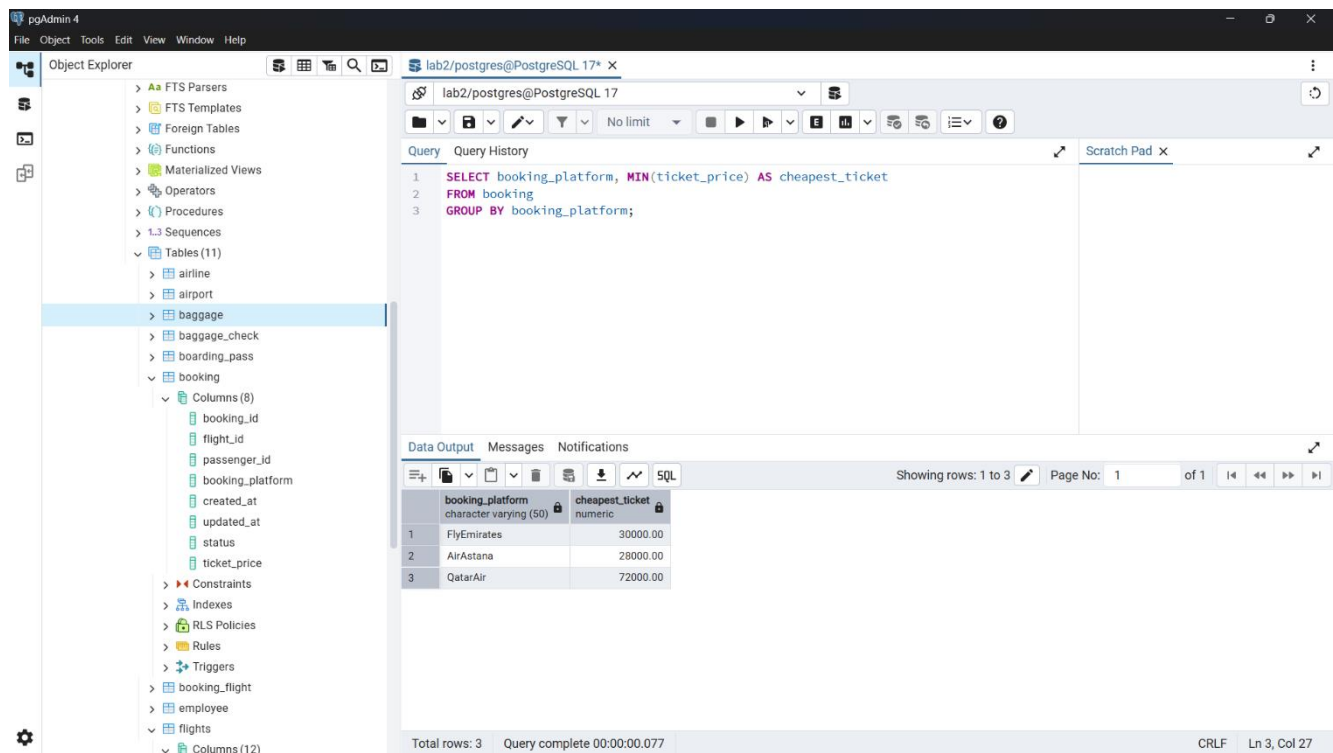

```sql
SELECT *
FROM baggage
WHERE weight_in_kg > 25
ORDER BY weight_in_kg DESC
LIMIT 3;
```

10.


```sql
SELECT first_name || ' ' || last_name AS full_name, date_of_birth
FROM passengers
ORDER BY date_of_birth DESC
LIMIT 1;
```

full_name text	date_of_birth date
Aruzhan Sultan	2005-09-25

11.
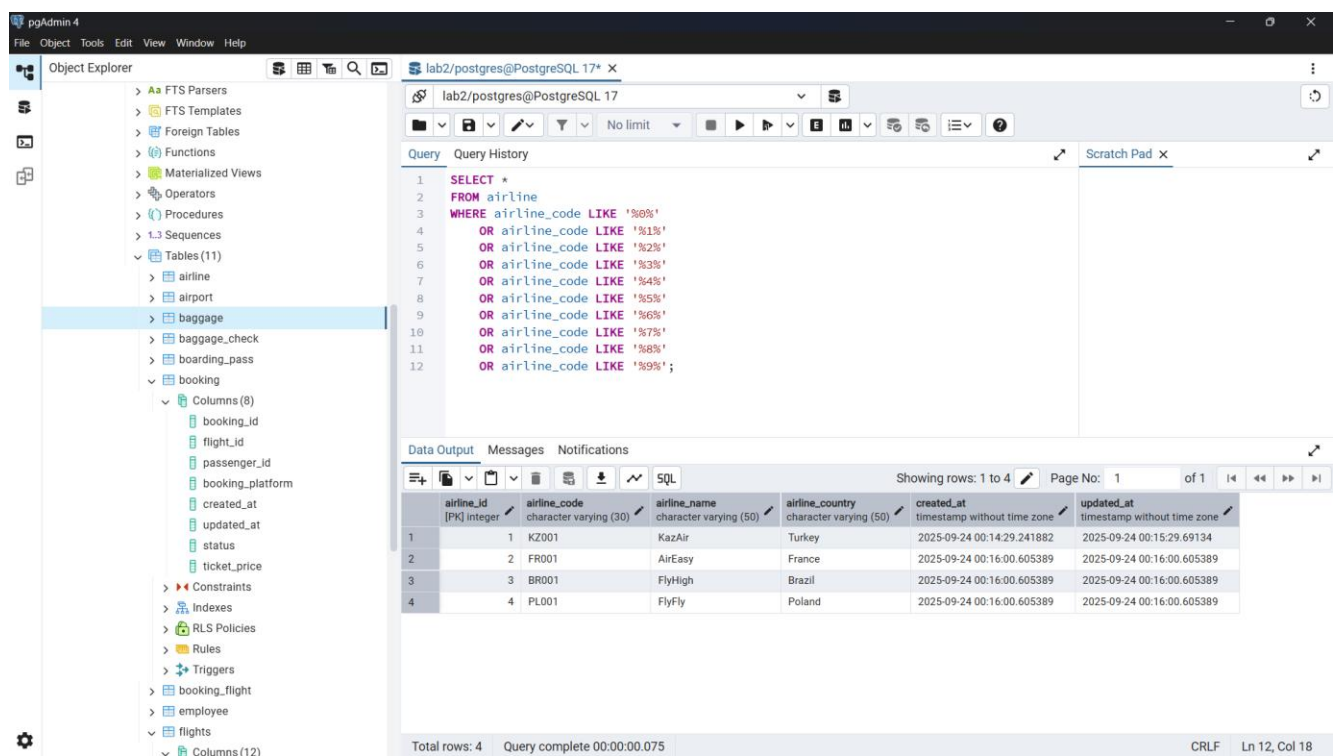


```sql
SELECT booking_platform, MIN(ticket_price) AS cheapest_ticket
FROM booking
GROUP BY booking_platform;
```

	booking_platform character varying (50)	cheapest_ticket numeric
1	FlyEmirates	30000.00
2	AirAstana	28000.00
3	QatarAir	72000.00

12.


```sql
SELECT *
FROM airline
WHERE airline_code LIKE '%0%'
    OR airline_code LIKE '%1%'
    OR airline_code LIKE '%2%'
    OR airline_code LIKE '%3%'
    OR airline_code LIKE '%4%'
    OR airline_code LIKE '%5%'
    OR airline_code LIKE '%6%'
    OR airline_code LIKE '%7%'
    OR airline_code LIKE '%8%'
    OR airline_code LIKE '%9%';
```

	airline_id [PK] integer	airline_code character varying (30)	airline_name character varying (50)	airline_country character varying (50)	created_at timestamp without time zone	updated_at timestamp without time zone
1	1	KZ001	KazAir	Turkey	2025-09-24 00:14:29.241882	2025-09-24 00:15:29.69134
2	2	FR001	AirEasy	France	2025-09-24 00:16:00.605389	2025-09-24 00:16:00.605389
3	3	BR001	FlyHigh	Brazil	2025-09-24 00:16:00.605389	2025-09-24 00:16:00.605389
4	4	PL001	FlyFly	Poland	2025-09-24 00:16:00.605389	2025-09-24 00:16:00.605389

13.


```sql
SELECT airline_name
FROM airline
ORDER BY created_at DESC
LIMIT 5;
```

	airline_name character varying (50)
1	AirEasy
2	FlyHigh
3	FlyFly
4	KazAir

14


```sql
SELECT *
FROM booking
WHERE booking_id BETWEEN 200 AND 300
  AND status <> 'Checked';
```

15.


```sql
SELECT *
FROM baggage_check
WHERE LEFT(updated_at::text, 7) = LEFT(created_at::text, 7)
    AND updated_at < created_at;
```