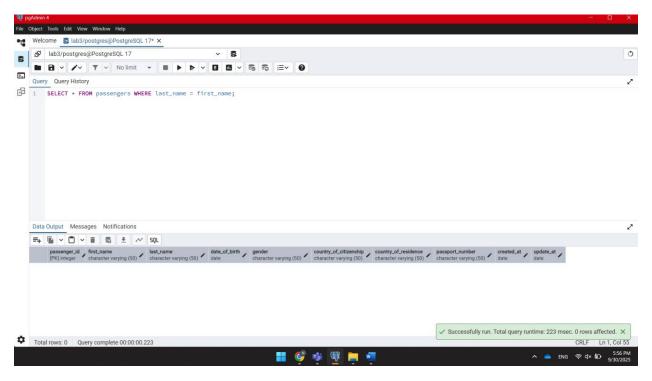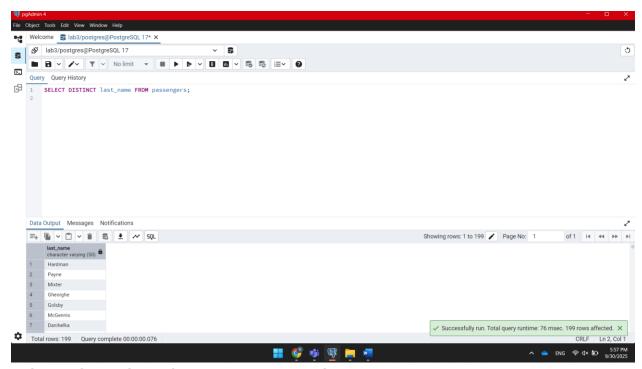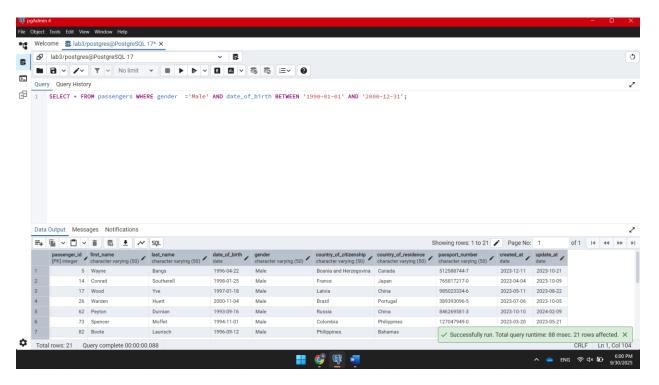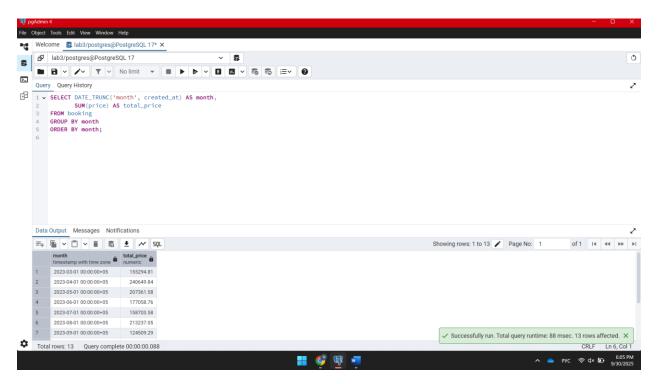# Lab -3

1 SELECT * FROM passengers WHERE last_name = first_name;

2 SELECT DISTINCT last_name FROM passengers;

3 SELECT * FROM passengers WHERE gender ='Male' AND date_of_birth BETWEEN '1990-01-01' AND '2000-12-31';
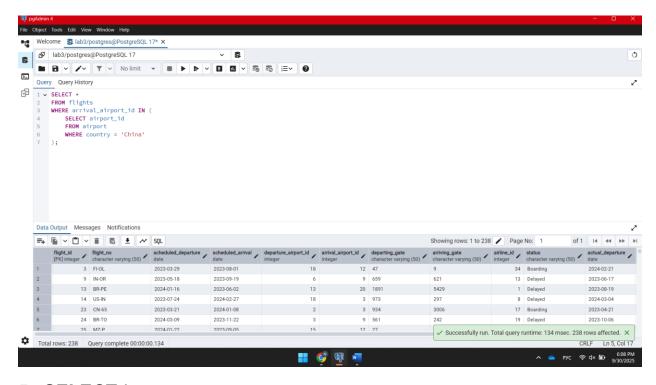
```sql
SELECT * FROM passengers WHERE gender ='Male' AND date_of_birth BETWEEN '1990-01-01' AND '2000-12-31';
```

	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_number character varying (50)	created_at date	update_at date
1	5	Wayne	Bangs	1996-04-22	Male	Bosnia and Herzegovina	Canada	512588744-7	2023-12-11	2023-10-21
2	14	Conrad	Southerell	1998-01-25	Male	France	Japan	765817217-0	2023-04-04	2023-10-09
3	17	Wood	Yve	1997-01-18	Male	Latvia	China	985023334-6	2023-05-11	2023-08-22
4	26	Warden	Huett	2000-11-04	Male	Brazil	Portugal	389393096-5	2023-07-06	2023-10-05
5	62	Peyton	Durnian	1993-09-16	Male	Russia	China	846269581-3	2023-10-10	2024-02-09
6	73	Spencer	Moffet	1994-11-01	Male	Colombia	Philippines	127047949-0	2023-03-20	2023-05-21
7	82	Boote	Laurisch	1996-09-12	Male	Philippines	Bahamas			

✓ Successfully run. Total query runtime: 88 msec. 21 rows affected.

Total rows: 21   Query complete 00:00:00.088

---

4 SELECT DATE_TRUNC('month', created_at) AS month,

```sql
SELECT DATE_TRUNC('month', created_at) AS month,
       SUM(price) AS total_price
FROM booking
GROUP BY month
ORDER BY month;
```

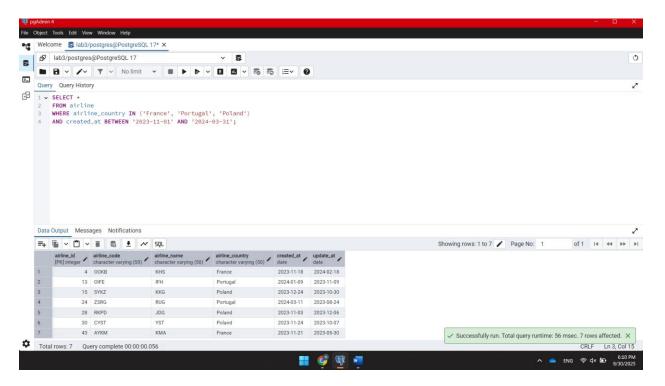|	month timestamp with time zone	total_price numeric
1	2023-03-01 00:00:00+05	155294.81
2	2023-04-01 00:00:00+05	240649.84
3	2023-05-01 00:00:00+05	207361.58
4	2023-06-01 00:00:00+05	177058.76
5	2023-07-01 00:00:00+05	158703.58
6	2023-08-01 00:00:00+05	213237.05
7	2023-09-01 00:00:00+05	124509.29

✓ Successfully run. Total query runtime: 88 msec. 13 rows affected.

Total rows: 13   Query complete 00:00:00.088

SUM(price) AS total_price

FROM booking

GROUP BY month

ORDER BY month;

5   SELECT *

FROM flights

WHERE arrival_airport_id IN (

    SELECT airport_id

    FROM airport

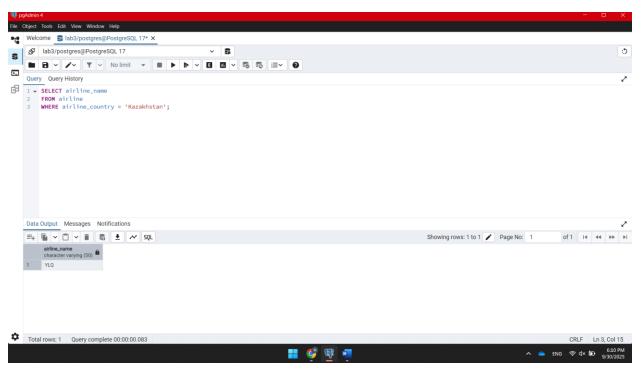   WHERE country = 'China'

);

6 SELECT *

FROM airline

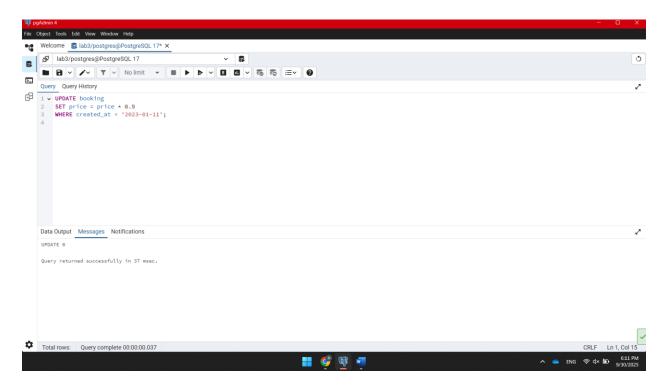**WHERE airline_country IN ('France', 'Portugal', 'Poland')**

AND created_at BETWEEN '2023-11-01' AND '2024-03-31';

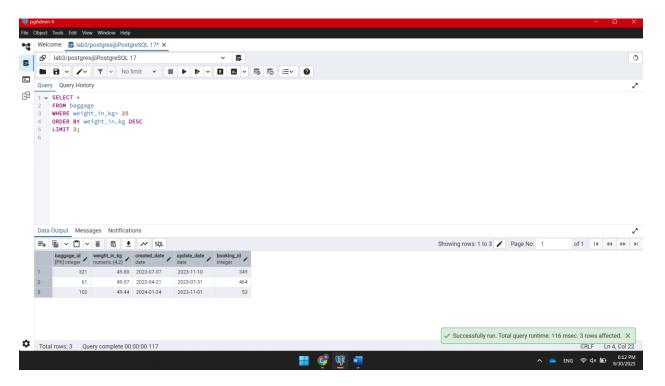**7 SELECT airline_name**

FROM airline

WHERE airline_country = 'Kazakhstan';

8 UPDATE booking

SET price = price * 0.9

WHERE created_at < '2023-01-11';

9 SELECT *

FROM baggage

WHERE weight_in_kg> 25

ORDER BY weight_in_kg DESC

LIMIT 3;

10 SELECT CONCAT(first_name, ' ', last_name) AS full_name
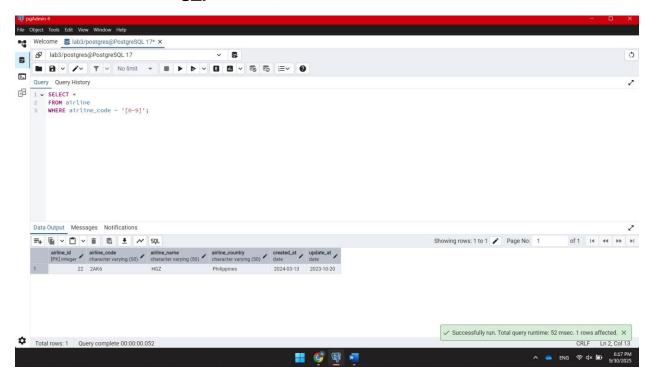
FROM passengers

ORDER BY date_of_birth DESC

LIMIT 1;

11 SELECT

    booking_platform,

    MIN(price) AS cheapest_price

FROM booking

GROUP BY booking_platform;

12 SELECT *
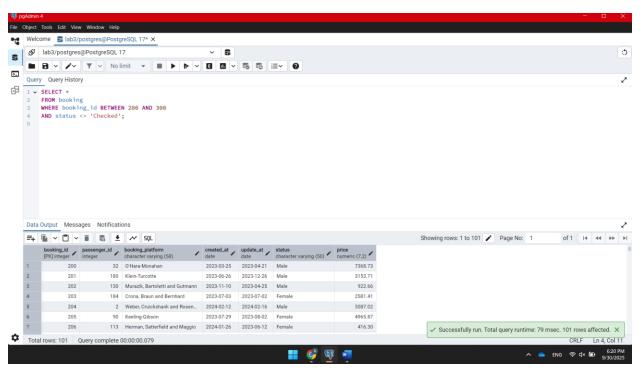
FROM airline

WHERE airline_code ~ '[0-9]';

13 SELECT *

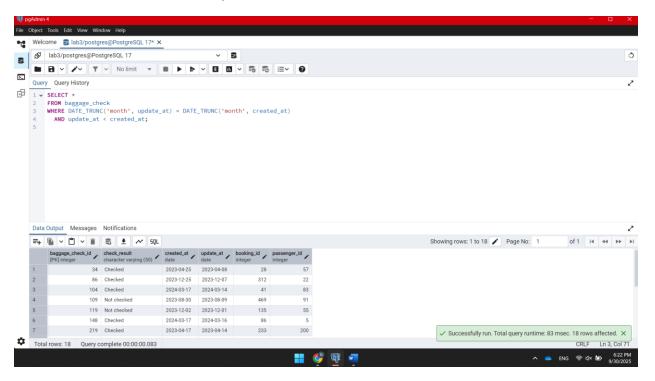FROM airline

ORDER BY created_at DESC

LIMIT 5;

14SELECT *

FROM booking

WHERE booking_id BETWEEN 200 AND 300

AND status <> 'Checked';

15 SELECT *

FROM baggage_check

WHERE DATE_TRUNC('month', update_at) = DATE_TRUNC('month', created_at)

  AND update_at < created_at;