

pgAdmin 4

File Object Tools Help

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Dashboard Properties SQL Statistics Dependencies Dependents Processes Lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

1 -- 1. Select all the data of passengers whose last name is the same as the first name.
2 SELECT * FROM Passengers WHERE last_name = first_name;
3
4 -- 2. Select the last name of all passengers without duplicates.
5 SELECT DISTINCT last_name FROM Passengers;
6
7 -- 3. Find all male passengers born between 1990 and 2000.
8 SELECT * FROM Passengers
9 WHERE gender = 'Male' AND date_of_birth BETWEEN '1990-01-01' AND '2000-12-31';
10
11 -- 4. Find price of tickets sold for each month in sorted way.
12 SELECT DATE_TRUNC('month', created_at) AS month, SUM(price) AS total_ticket_price FROM Booking
13 GROUP BY month
14 ORDER BY month;
15
16 -- 5. Create a query that shows all flights flying to 'China'.
17 SELECT * FROM Flights
18 WHERE arrival_airport_id IN (SELECT airport_id FROM Airport WHERE country = 'China');
19
20 -- 6. Find all airline names based in Kazakhstan.
21 SELECT airline_name FROM Airline
22 WHERE airline_country = 'Kazakhstan';
23
24 -- 7. Reduce the cost of booking price by 10% for bookings created before '2010-12-12'.
25 UPDATE Booking SET price = price * 0.90
26 WHERE created_at < '2010-12-12';
27
28 -- 8. Find top 3 overweighted baggage with more than 25kg.
29 SELECT * FROM Baggage
30 WHERE weight_in_kg > 25
31 ORDER BY weight_in_kg DESC
32 LIMIT 3;
33
34 -- 9. Find the youngest passenger's full name.

```

Scratch Pad

Data Output Messages Notifications

passenger_id	first_name	last_name	date_of_birth	gender	country_of_citizenship	country_of_residence	passport_number	created_at
[PK] integer	character varying (50)	character varying (50)	date	character varying (50)	character varying (50)	character varying (50)	character varying (20)	timestamp without time zone

Total rows: 0 of 0 Query complete 00:00:00.245

Successfully run. Total query runtime: 245 msec. 0 rows affected.

Ln 1, Col 1

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17 SELECT * FROM Flights
18 WHERE arrival_airport_id IN (SELECT airport_id FROM Airport WHERE country = 'China');

```

Data Output Messages Notifications

	last_name character varying (50)
1	Hardman
2	Payne
3	Mixter
4	Gheorghe
5	Golsby
6	McGennis
7	Danihelka
8	Musla
9	Lynett
10	Romain
11	Rosling
12	O'Calleran
13	Jull
14	Jewess
15	Blazewicz

Total rows: 199 of 199 Query complete 00:00:00.087

Ln 4, Col 1

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5:15 PM
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17 SELECT * FROM Flights
18 WHERE arrival_airport_id IN (SELECT airport_id FROM Airport WHERE country = 'China');

```

Data Output Messages Notifications

	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 (20)	created_at timestamp without time zone
1	5	Wayne	Bangs	1996-04-22	Male	Bosnia and Herzegovina	Canada	512588744-7	2023-12-11 00:00:00
2	14	Conrad	Southerell	1998-01-25	Male	France	Japan	765817217-0	2023-04-04 00:00:00
3	17	Wood	Yve	1997-01-18	Male	Latvia	China	985023334-6	2023-05-11 00:00:00
4	26	Warden	Huett	2000-11-04	Male	Brazil	Portugal	389393096-5	2023-07-06 00:00:00
5	62	Peyton	Durnian	1993-09-16	Male	Russia	China	846269581-3	2023-10-10 00:00:00
6	73	Spencer	Moffet	1994-11-01	Male	Colombia	Philippines	127047949-0	2023-03-20 00:00:00
7	82	Boote	Laurisch	1996-09-12	Male	Philippines	Bahamas	780593281-6	2023-09-06 00:00:00
8	87	Pyotr	Colbron	1993-07-17	Male	China	China	582600382-0	2023-04-05 00:00:00
9	90	Hurleigh	Goodwell	1990-05-21	Male	China	Russia	147114524-7	2024-03-02 00:00:00
10	97	Cletus	Mosey	1997-09-23	Male	Myanmar	Indonesia	874794787-X	2023-08-30 00:00:00
11	108	Fairfax	Brahmer	1991-02-10	Male	Morocco	Portugal	702800724-3	2023-08-05 00:00:00
12	130	Hayward	Keeler	1991-05-20	Male	Serbia	China	932998861-X	2023-10-22 00:00:00
13	139	Zerk	Dusey	2000-10-15	Male	France	China	467409636-4	2023-05-10 00:00:00
14	151	Ives	Outridge	1995-07-17	Male	Azerbaijan			

Total rows: 21 of 21 Query complete 00:00:00.075

Ln 7, Col 1

Successfully run. Total query runtime: 75 msec. 21 rows affected.

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Lab_1/postgres@PostgreSQL 17

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```

Data Output Messages Notifications

	month timestamp without time zone	total_ticket_price numeric
1	2023-03-01 00:00:00	155064.67
2	2023-04-01 00:00:00	237669.89
3	2023-05-01 00:00:00	202650.61
4	2023-06-01 00:00:00	174112.48
5	2023-07-01 00:00:00	158059.80
6	2023-08-01 00:00:00	212175.51
7	2023-09-01 00:00:00	123041.27
8	2023-10-01 00:00:00	193979.55
9	2023-11-01 00:00:00	181455.39
10	2023-12-01 00:00:00	215297.17
11	2024-01-01 00:00:00	303893.54
12	2024-02-01 00:00:00	171024.20
13	2024-03-01 00:00:00	117460.00

Total rows: 13 of 13 Query complete 00:00:00.082

Ln 11, Col 1

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Successfully run. Total query runtime: 82 msec. 13 rows affected.

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30 WHERE weight_in_kg > 25
31 ORDER BY weight_in_kg DESC
32 LIMIT 3;
33

```

Scratch Pad

Data Output Messages Notifications

airline_name
YLQ

Total rows: 1 of 1 Query complete 00:00:00.085

Ln 20, Col 1

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