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passengers... x airport_db/postgre... x public.booking/air... x airport_db/postgre... x public.passengers... x airport_db/postgres@PostgreSQL 17* x

Query Query History

```
-- task 1
SELECT *
FROM passengers
WHERE first_name = last_name;
```

Data Output Messages Notifications

Showing rows: 1 to 11 Page No: 1 of 1

	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)	creation_time
1	2	Orlando	Orlando	1982-07-29	Male	Peru	Ukraine	B4079068	2021
2	3	Messi	Messi	1986-02-02	Female	France	Ukraine	I2879705	2024
3	6	Hedvige	Hedvige	1991-01-28	Female	Guatemala	Brazil	J6345344	2024
4	52	Prudi	Prudi	1999-02-07	Female	Indonesia	Indonesia	S2383983	2023
5	56	Valera	Valera	1990-07-19	Female	Chad	China	C7825930	2022
6	58	Alfie	Alfie	1989-09-15	Genderqueer	Luxembourg	Brazil	O6767370	2022
7	112	Muffin	Muffin	1983-04-11	Female	China	China	Q0836895	2022
8	123	Ania	Ania	1986-02-15	Female	Norway	Indonesia	U6981063	2022

Total rows: 11 Query complete 00:00:00.145 CRLF Ln 1, Col 10

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airport_db/postgres@PostgreSQL 17

Query Query History

```
1 -- task 1
2 SELECT *
3 FROM passengers
4 WHERE first_name = last_name;
5
6 -- task 2
7 SELECT DISTINCT last_name
8 FROM passengers;
9
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	last_name character varying (50)
1	Shewen
2	Mapham
3	Millichop
4	Maysor
5	Astling
6	Meaker
7	Branton
8	Kittow
9	I livezev

Total rows: 200 Query complete 00:00:00.136

CRLF Ln 9, Col 1

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passengers... X airport_db/postgre... X public.booking/air... X airport_db/postgre... X public.passengers... X airport_db/postgres@PostgreSQL 17* X

Query Query History

```
-- task 1
SELECT *
FROM passengers
WHERE first_name = last_name;

-- task 2
SELECT DISTINCT last_name
FROM passengers;

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

Scratch Pad X

Data Output Messages Notifications

Showing rows: 1 to 36 Page No: 1 of 1

	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)	create_time
1	8	Warren	Frudd	1992-04-13	Male	Thailand	Cameroon	P2830659	2025
2	10	Aldwin	Pain	1992-02-11	Male	Latvia	Colombia	D7594956	2024
3	17	Merrick	Lamden	2000-08-07	Male	Japan	Sweden	M5460200	2021
4	30	Corby	Shorey	1998-09-19	Male	Ukraine	Portugal	D5663898	2021
5	37	Wallas	Capponer	1994-06-14	Male	China	Philippines	Q9066070	2021
6	39	Kiley	Northam	1992-08-16	Male	Monaco	China	U3779695	2022
7	41	Silas	Silbermann	1998-01-15	Male	Russia	Afghanistan	S6480428	2023
8	43	Iago	Das	1992-07-30	Male	France	Bulgaria	S4337788	2022

Total rows: 36 Query complete 00:00:00.147 CRLF Ln 14, Col 28

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Query

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

-- task 4
SELECT
    DATE_TRUNC('month', created_at) AS month,
    SUM(ticket_price) AS total_price
FROM booking
GROUP BY DATE_TRUNC('month', created_at)
ORDER BY month;
```

Query History

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 58 Page No: 1 of 1

	month timestamp without time zone	total_price numeric
1	2020-10-01 00:00:00	31.57
2	2020-11-01 00:00:00	36.76
3	2020-12-01 00:00:00	89.93
4	2021-01-01 00:00:00	206.92
5	2021-02-01 00:00:00	41.97
6	2021-03-01 00:00:00	4.99
7	2021-04-01 00:00:00	34.46
8	2021-05-01 00:00:00	83.97
9	2021-06-01 00:00:00	65.46

Total rows: 58 Query complete 00:00:00.117

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Query

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

Query History

Scratch Pad

Data Output

Showing rows: 1 to 10 of 1

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate	airline_id	act_dep
(PK) Integer	timestamp without time zone	timestamp without time zone	Integer	Integer	text	character varying (50)	Integer	timestamp
3	2024-03-18 00:00:00	2021-08-26 00:00:00	373	499	WRN	YYR	48	2024-0
4	2024-08-30 00:00:00	2022-09-02 00:00:00	484	500	JBK	TET	195	2021-0
5	2020-12-09 00:00:00	2022-03-29 00:00:00	483	499	KSG	LRG	72	2023-0
6	2021-05-10 00:00:00	2022-03-20 00:00:00	426	502	AFS	GXH	185	2022-0
7	2024-04-22 00:00:00	2021-07-21 00:00:00	499	501	BJR	KNU	84	2022-1
8	2021-03-26 00:00:00	2020-10-13 00:00:00	358	500	LBN	OHR	191	2021-0
9	2021-09-17 00:00:00	2023-06-27 00:00:00	345	503	ZNC	SIC	36	2023-0
10	2024-07-29 00:00:00	2023-09-16 00:00:00	424	502	ETE	YPI	182	2025-0

Total rows: 10 Query complete 00:00:00.119

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airline_db/postgres@PostgreSQL 17

Query Query History

```
25 SELECT f.*
26 FROM flights f
27 JOIN airport a
28 ON f.arriving_airport_id = a.airport_id
29 WHERE a.country = 'China';
30
31 -- task 6
32 SELECT *
33 FROM airline
34 WHERE airline_country IN ('France', 'Portugal', 'Poland')
35 AND created_at BETWEEN '2020-11-01' AND '2024-03-31';
36
37
38
```

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

	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	94	WN	Southwest Airlines	France	2021-01-01 00:00:00	2020-09-24 00:00:00
2	101	AV	Avianca	France	2021-09-21 00:00:00	2021-11-03 00:00:00

✓ Successfully run. Total query runtime: 114 msec. 2 rows affected. ✕

Servers > PostgreSQL 17 > Databases > airline_db > Schemas > public > Tables > airline 1,114 CRLF Ln 35, Col 31

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Query

```
27 JOIN airport a
28 ON f.arriving_airport_id = a.airport_id
29 WHERE a.country = 'China';
30
31 -- task 6
32 SELECT *
33 FROM airline
34 WHERE airline_country IN ('France', 'Portugal', 'Poland')
35 AND created_at BETWEEN '2020-11-01' AND '2024-03-31';
36
37 -- task 7
38 SELECT *
39 FROM airline
40 WHERE airline_country = 'Kazakhstan';
41
```

Query History

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 5 Page No: 1 of 1

	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	205	KZR001	Air Astana	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
2	206	KZR002	FlyArystan	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
3	207	KZR003	SCAT Airlines	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
4	208	KZR004	Qazaq Air	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
5	209	KZR005	Zhetysu Airlines	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114

Total rows: 5 Query complete 00:00:00.166

Successfully run. Total query runtime: 166 msec. 5 rows affected.

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airline_db/postgres@PostgreSQL 17*

Query

```
32 SELECT *
33 FROM airline
34 WHERE airline_country IN ('France', 'Portugal', 'Poland')
35 AND created_at BETWEEN '2020-11-01' AND '2024-03-31';
36
37 -- task 7
38 SELECT *
39 FROM airline
40 WHERE airline_country = 'Kazakhstan';
41
42 -- task 8
43 UPDATE booking
44 SET ticket_price = ticket_price * 0.9
45 WHERE created_at < '2023-11-01';
46
```

Query History

Scratch Pad

Data Output Messages Notifications

UPDATE 128

Query returned successfully in 659 msec.

Total rows: Query complete 00:00:00.659

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public.booking/airport_db/postgres@PostgreSQL 17

Query Query History

```
1 SELECT * FROM public.booking
2 ORDER BY booking_id ASC
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 204 Page No: 1 of 1

	booking_id [PK] integer	flight_id integer	passenger_id integer	booking_platform character varying (50)	created_at timestamp without time zone	updated_at timestamp without time zone	status character varying (50)	ticket_price numeric (7,2)
1	1	201	85	google.it	2025-08-16 00:00:00	2024-02-08 00:00:00	Completed	1.99
2	2	149	78	opera.com	2020-11-12 00:00:00	2022-11-09 00:00:00	Completed	3.59
3	3	6	51	cnbc.com	2025-08-14 00:00:00	2023-09-30 00:00:00	Cancelled	8.99
4	4	97	65	squidoo.com	2021-06-16 00:00:00	2025-01-09 00:00:00	Completed	26.99
5	5	133	15	samsung.com	2021-01-15 00:00:00	2023-07-23 00:00:00	Confirmed	26.99
6	6	84	68	yale.edu	2023-09-10 00:00:00	2024-08-29 00:00:00	Cancelled	8.99
7	7	52	139	tund1.de	2022-03-15 00:00:00	2022-08-25 00:00:00	Checked-in	3.59
8	8	124	12	answers.com	2021-12-08 00:00:00	2022-05-25 00:00:00	Confirmed	5.39
9	9	84	21	t-online.de	2021-05-25 00:00:00	2021-10-04 00:00:00	Completed	3.59

Total rows: 204 Query complete 00:00:00.163 CRLF Ln 1, Col 1

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Query Editor: airport_db/postgres@PostgreSQL 17

```
40 WHERE airline_country = 'Kazakhstan';
41
42 -- task 8
43 UPDATE booking
44 SET ticket_price = ticket_price * 0.9
45 WHERE created_at < '2023-11-01';
46
47 -- task 9
48 SELECT *
49 FROM baggage
50 WHERE weight_in_kg > 25
51 ORDER BY weight_in_kg DESC
52 LIMIT 3;
53
```

Data Output

	baggage_id (PK) integer	weight_in_kg numeric (4,2)	created_at timestamp without time zone	updated_at timestamp without time zone	booking_id integer
1	101	97.14	2021-07-22 00:00:00	2021-12-18 00:00:00	51
2	193	96.96	2022-10-09 00:00:00	2022-07-16 00:00:00	168
3	166	96.86	2021-08-02 00:00:00	2021-09-09 00:00:00	133

Total rows: 3 Query complete 00:00:00.087

Showing rows: 1 to 3 Page No: 1 of 1

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Query

```
44 SET checked_price = checked_price * 0.9;
45 WHERE created_at < '2023-11-01';
46
47 -- task 9
48 SELECT *
49 FROM baggage
50 WHERE weight_in_kg > 25
51 ORDER BY weight_in_kg DESC
52 LIMIT 3;
53
54 -- task 10
55 SELECT first_name, last_name
56 FROM passengers
57 WHERE date_of_birth = (SELECT MAX(date_of_birth) FROM passengers);
58
```

Query History

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 1 Page No: 1 of 1

	first_name character varying (50)	last_name character varying (50)
1	Virgilio	Droogan

Total rows: 1 Query complete 00:00:00.110

Successfully run. Total query runtime: 110 m

CRLF Ln 57, Col 67

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Query Editor: airport_db/postgres@PostgreSQL 17*

```
45 FROM baggage
50 WHERE weight_in_kg > 25
51 ORDER BY weight_in_kg DESC
52 LIMIT 3;
53
54 -- task 10
55 SELECT first_name, last_name
56 FROM passengers
57 WHERE date_of_birth = (SELECT MAX(date_of_birth) FROM passengers);
58
59 -- task 11
60 SELECT booking_platform, MIN(ticket_price) AS cheapest_price
61 FROM booking
62 GROUP BY booking_platform;
63
```

Data Output

	booking_platform character varying (50)	cheapest_price numeric
1	csmonitor.com	69.99
2	squidoo.com	19.67
3	wp.com	1.31
4	google.com.hk	99.99
5	yellowbook.com	1.64
6	myspace.com	24.99
7	toplist.cz	2.62
8	ucla.edu	3.93
9	twitnic.com	13.11

Total rows: 171 Query complete 00:00:00.104

Showing rows: 1 to 171 Page No: 1 of 1

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Query History

```
54 -- task 10
55 SELECT first_name, last_name
56 FROM passengers
57 WHERE date_of_birth = (SELECT MAX(date_of_birth) FROM passengers);
58
59 -- task 11
60 SELECT booking_platform, MIN(ticket_price) AS cheapest_price
61 FROM booking
62 GROUP BY booking_platform;
63
64 -- task 12
65 SELECT *
66 FROM airline
67 WHERE airline_code ~ '[0-9]+';
68
```

Data Output

Showing rows: 1 to 5 Page No: 1 of 1

	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	205	KZR001	Air Astana	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
2	206	KZR002	FlyArystan	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
3	207	KZR003	SCAT Airlines	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
4	208	KZR004	Qazaq Air	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
5	209	KZR005	Zhetysu Airlines	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114

Successfully run. Total query runtime: 156 msec. 5 rows affected.

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airline_db/postgres@PostgreSQL 17

Query

```
60 SELECT booking_platform, MIN(ticket_price) AS cheapest_price
61 FROM booking
62 GROUP BY booking_platform;
63
64 -- task 12
65 SELECT *
66 FROM airline
67 WHERE airline_code ~ '[0-9]';
68
69 -- task 13
70 SELECT *
71 FROM airline
72 ORDER BY created_at DESC
73 LIMIT 5;
74
```

Query History

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 5 Page No: 1 of 1

	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	207	KZR003	SCAT Airlines	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
2	208	KZR004	Qazaq Air	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
3	205	KZR001	Air Astana	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
4	206	KZR002	FlyArystan	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114
5	209	KZR005	Zhetysu Airlines	Kazakhstan	2025-10-06 23:08:06.297114	2025-10-06 23:08:06.297114

Total rows: 5 Query complete 00:00:00.575

Successfully run. Total query runtime: 575 msec. 5 rows affected.

CRLF Ln 71, Col 13

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types
 - Views
 - Subscriptions
 - postgres

airport_db/postgres@PostgreSQL 17

Query Query History

```
67 SELECT * FROM baggage_check;
68
69 -- task 13
70 SELECT *
71 FROM airline
72 ORDER BY created_at DESC
73 LIMIT 5;
74
75 -- task 14
76 SELECT *
77 FROM baggage_check
78 WHERE booking_id BETWEEN 200 AND 300
79 AND check_result <> 'Checked';
80
81
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 6 Page No: 1 of 1

	baggage_check_id [PK] integer	check_result character varying (50)	created_at timestamp without time zone	updated_at timestamp without time zone	booking_id integer	passenger_id integer
1	25	Failed	2024-11-17 00:00:00	2024-07-24 00:00:00	200	156
2	64	Pending	2023-12-29 00:00:00	2024-11-06 00:00:00	200	113
3	74	Skipped	2021-12-17 00:00:00	2025-05-12 00:00:00	200	184
4	91	Skipped	2025-04-02 00:00:00	2021-03-01 00:00:00	204	110
5	105	Failed	2024-07-10 00:00:00	2022-01-12 00:00:00	203	58
6	111	Failed	2023-03-24 00:00:00	2025-04-05 00:00:00	200	68

Total rows: 6 Query complete 00:00:00.453

CRLF Ln 79, Col 32

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- server(s) (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check**
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types
 - Views
 - Subscriptions
 - postgres

airport_db/postgres@PostgreSQL 17

Query Query History

```
-- task 14
SELECT *
FROM baggage_check
WHERE booking_id BETWEEN 200 AND 300
AND check_result <> 'Checked';

-- task 15
SELECT *
FROM baggage_check
WHERE
    DATE_PART('month', updated_at) = DATE_PART('month', created_at)
    AND DATE_PART('year', updated_at) = DATE_PART('year', created_at)
    AND updated_at < created_at;
```

Data Output Messages Notifications

Showing rows: 1 to 1 Page No: 1 of 1

	baggage_check_id (PK) integer	check_result character varying (50)	created_at timestamp without time zone	updated_at timestamp without time zone	booking_id integer	passenger_id integer
1	163	Failed	2023-02-15 00:00:00	2023-02-09 00:00:00	80	108

Total rows: 1 Query complete 00:00:00.128 CRLF Ln 83, Col 7