

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

db_course25/postgres@PostgreSQL 17

Query History

```
1 v select *, airline_name from flights f
2 join airline a on
3 f.airline_id = a.airline_id
4 where airline_name = 'Aero India'
5
6 SELECT *,
7     a.airport_name depart
8 FROM flights f
9 JOIN airport a
10    ON f.departing_airport_id = a.airport_id;
11
12
13 v select * from flights
14 SELECT a.airline_id, a.airline_name
15 FROM airline a
16 WHERE NOT EXISTS (
```

Data Output Messages Notifications

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

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate	airline_id	act_departure_time	act_arrival_time
1	2017-10-22 00:28:35	2020-11-17 03:35:25	6	6	AKL	HKG	6	2006-10-05 09:36:04	2043-08-23 21:57:47
2	2032-11-08 13:51:38	2028-02-19 09:18:55	13	13	AKL	LHR	13	2012-02-25 04:52:04	2028-06-18 01:44:40
3	2012-07-16 18:05:50	2041-09-08 20:28:03	93	93	ADD	YYZ	93	2049-10-01 20:20:09	2050-08-31 00:01:18
4	2015-03-02 12:50:17	2045-09-11 10:46:53	96	96	CPH	LAX	96	2012-02-08 19:23:13	2019-08-23 17:17:26
5	2001-07-20 08:14:33	2003-12-08 22:30:08	145	145	AKL	FCO	145	2000-04-16 20:27:27	2018-02-27 12:56:09
6	2044-02-11 11:19:26	2023-04-27 21:24:01	185	185	SIN	JFK	185	2020-09-13 01:54:57	2023-12-08 20:48:45

Total rows: 6 Query complete 00:00:00.065 CRLF Ln 1, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

db_course25/postgres@PostgreSQL 17

Query History

```

1 v select *, airline_name from flights f
2 join airline a on
3 f.airline_id = a.airline_id
4 where airline_name = 'Aero India'
5
6 SELECT *,
7     a.airport_name depart
8 FROM flights f
9 JOIN airport a
10    ON f.departing_airport_id = a.airport_id;
11
12
13 v select * from flights
14 SELECT a.airline_id, a.airline_name
15 FROM airline a
16 WHERE NOT EXISTS (

```

Data Output Messages Notifications

Showing rows: 1 to 202 Page No: 1 of 1

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate	airline_id	act_departure_time	act_arrival_time	
1	2035-02-06 02:00:49	2002-01-16 02:55:55		1	1	CDG	MAD	1	2042-01-24 17:22:18	2038-06-22 22:32:29
2	2030-04-04 18:37:20	2043-09-22 16:24:09		2	2	BOG	DEL	2	2008-11-10 16:23:19	2020-06-03 00:53:10
3	2049-08-19 11:53:07	2019-01-25 21:35:49		3	3	DXB	SIN	3	2019-07-07 09:09:15	2045-11-26 01:50:08
4	2050-06-05 15:36:41	2020-01-01 19:09:58		4	4	BOG	AMS	4	2005-11-12 17:53:35	2050-05-10 13:34:22
5	2022-03-24 17:15:31	2026-01-31 14:40:23		5	5	FCO	DOH	5	2036-08-06 20:09:22	2021-07-16 07:11:08
6	2017-10-22 00:28:35	2020-11-17 03:35:25		6	6	AKL	HKG	6	2006-10-05 09:36:04	2043-08-23 21:57:47
7	2031-03-23 09:42:22	2017-07-22 14:55:00		7	7	MAD	CPH	7	2024-05-09 11:15:54	2029-05-02 15:07:55
8	2005-12-08 20:03:25	2050-01-01 03:09:42		8	8	LAX	SIN	8	2017-03-10 00:01:51	2033-08-24 06:57:45
9	2009-09-29 21:31:25	2000-05-24 10:09:08		9	9	CDG	LAX	9	2006-10-21 15:30:19	2035-04-23 11:51:12

Total rows: 202 Query complete 00:00:00.078

Successfully run. Total query runtime: 78 msec. 202 rows affected.

CRLF Ln 6, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

db_course25/postgres@PostgreSQL 17

Query History

```
10 11 12
13 v select * from flights
14 SELECT a.airline_id, a.airline_name
15 FROM airline a
16 WHERE NOT EXISTS (
17   SELECT 1
18   FROM flights f
19   WHERE f.airline_id = a.airline_id
20   AND f.act_departure_time >= date_trunc('month', CURRENT_DATE) + INTERVAL '1 month'
21   AND f.act_departure_time < date_trunc('month', CURRENT_DATE) + INTERVAL '2 months'
22 )
23 ORDER BY a.airline_name;
24
25
```

Data Output Messages Notifications

Showing rows: 1 to 210 Page No: 1 of 1

	airline_id	airline_name
1	83	Aero Canada
2	180	Aero Canada
3	92	Aero Canada
4	146	Aero Canada
5	3	Aero Canada
6	152	Aero Canada
7	133	Aero Canada
8	170	Aero France
9	115	Aero France
10	138	Aero France

✓ Successfully run. Total query runtime: 220 msec. 210 rows affected. X

Total rows: 210 Query complete 00:00:00.220 CRLF Ln 23, Col 25

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

db_course25/postgres@PostgreSQL 17

Query History

```
27 SELECT DISTINCT
28     p.passenger_id,
29     p.last_name || ' ' || p.first_name full_name
30     from passengers p
31     join booking b      on b.passenger_id = p.passenger_id
32     join booking_flight bf on bf.booking_id = b.booking_id
33     join flights f      on f.flight_id    = bf.flight_id
34 WHERE f.flight_id = b.flight_id
35 ORDER BY full_name;
36
37
38
39 v SELECT f.*,
40     avg(b.ticket_price) avg_price,sum(b.ticket_price) total_price,max(b.ticket_price) AS max_price,
41     min(b.ticket_price) min_price
42
43
44
```

Data Output Messages Notifications

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

	passenger_id	full_name
1	162	Abbey Hatch
2	29	Antognelli Rebecca
3	198	Arling Alaster
4	100	Arnold Ware
5	42	Aylmer Fina
6	93	Bailey Bertha
7	155	Bakes Rosco
8	23	Batey Cathyleen
9	135	Beaman Erin
10	55	Behagg Zaccaria

Total rows: 200 Query complete 00:00:00.055 CRLF Ln 27, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

Query History

```

35 ORDER BY full_name;
36
37
38
39 v SELECT f.*,
40     avg(b.ticket_price) avg_price,sum(b.ticket_price) total_price,max(b.ticket_price) AS max_price,
41     min(b.ticket_price) min_price
42     from flights f
43     join booking_flight bf ON bf.flight_id = f.flight_id JOIN booking b
44     ON b.booking_id = bf.booking_id
45     GROUP BY f.flight_id
46     ORDER BY f.flight_id;
47
48
49 v SELECT f.flight_id, al.airline_name, dep.airport_name from_airport,
50 arr.airport_name to_airport,

```

Data Output Messages Notifications

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

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate	airline_id	act_departure_time	act_arrival_time
1	2035-02-06 02:00:49	2002-01-16 02:55:55		1	1	CDG		1	2042-01-24 17:22:18
2	2030-04-04 18:37:20	2043-09-22 16:24:09		2	2	BOG	DEL	2	2008-11-10 16:23:19
3	2049-08-19 11:53:07	2019-01-25 21:35:49		3	3	DXB	SIN	3	2019-07-07 09:09:15
4	2050-06-05 15:36:41	2020-01-01 19:09:58		4	4	BOG	AMS	4	2005-11-12 17:53:35
5	2022-03-24 17:15:31	2026-01-31 14:40:23		5	5	FCO	DOH	5	2036-08-06 20:09:22
6	2017-10-22 00:28:35	2020-11-17 03:35:25		6	6	AKL	HKG	6	2006-10-05 09:36:04
7	2031-03-23 09:42:22	2017-07-22 14:55:00		7	7	MAD	CPH	7	2024-05-09 11:15:54
8	2005-12-08 20:03:25	2050-01-01 03:09:42		8	8	LAX	SIN	8	2017-03-10 00:01:51
9	2009-09-29 21:31:25	2000-05-24 10:09:08		9	9	CDG	LAX	9	2006-10-21 15:30:19

Successfully run. Total query runtime: 65 msec. 200 rows affected. X

Total rows: 200 Query complete 00:00:00.065 CRLF Ln 39, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

db_course25/postgres@PostgreSQL 17

Query History

```

46 ORDER BY f.act_departure_time;
47
48
49 v SELECT f.flight_id, al.airline_name, dep.airport_name from_airport,
50 arr.airport_name to_airport,
51 arr.country to_country,
52 f.act_departure_time,
53 f.act_arrival_time
54 FROM flights f
55 JOIN airline al ON al.airline_id = f.airline_id JOIN airport dep ON dep.airport_id = f.departing_airport_id
56 JOIN airport arr ON arr.airport_id = f.arriving_airport_id
57 WHERE arr.country = 'United States'
58 ORDER BY f.act_departure_time;
59
60
61 v select distinct p.passenger_id, p.last_name || ' ' || p.first_name full_name,

```

Data Output Messages Notifications

Showing rows: 1 to 202 Page No: 1 of 1

flight_id	airline_name	from_airport	to_airport	to_country	act_departure_time	act_arrival_time	
1	174	Aeroméxico	Gweneth Airport	Gweneth Airport	United States	2000-01-28 14:29:04	2006-10-14 10:03:06
2	16	Iberia	Rutger Airport	Rutger Airport	United States	2000-02-07 00:17:04	2003-06-21 23:02:24
3	11	Aeroméxico	Ronni Airport	Ronni Airport	United States	2000-02-21 22:02:44	2004-12-20 11:21:20
4	145	Aero India	Eula Airport	Eula Airport	United States	2000-04-16 20:27:27	2018-02-27 12:56:09
5	27	Ethiopian Aerolines	Celeste Airport	Celeste Airport	United States	2000-07-29 20:21:01	2029-08-31 16:34:20
6	92	Aero Canada	Kellyann Airport	Kellyann Airport	United States	2000-10-25 14:57:20	2012-05-05 01:20:41
7	169	KLM Royal Dutch Aerolines	Freddi Airport	Freddi Airport	United States	2000-11-25 04:32:39	2028-02-09 08:48:05
8	54	Avianca	Gillie Airport	Gillie Airport	United States	2001-02-01 20:42:18	2047-01-03 12:29:07
9	98	Aeroméxico	Nancy Airport	Nancy Airport	United States	2001-04-06 09:54:02	2030-09-19 04:06:18
10	78	Ethiopian Aerolines	Jone Airport	Jone Airport	United States	2001-05-23 05:28:18	2018-12-11 11:59:59

Total rows: 202 Query complete 00:00:00.050

Successfully run. Total query runtime: 50 msec. 202 rows affected. X

CRLF Ln 49, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

db_course25/postgres@PostgreSQL 17

Query History

```
58 ORDER BY f.act_departure_time;
59
60
61 v select distinct p.passenger_id, p.last_name || ' ' || p.first_name full_name,
62 arr.airport_name arrival_airport,
63 arr.city as arrival_city,
64 arr.country arrival_country
65 from passengers p
66 join booking b on b.passenger_id = p.passenger_id
67 join booking_flight bf on bf.booking_id = b.booking_id
68 join flights f on f.flight_id = bf.flight_id
69 join airport arr on arr.airport_id = f.arriving_airport_id
70 WHERE DATE_PART('year', AGE(CURRENT_DATE, p.date_of_birth)) < 18
71 order by full_name
72
73 SELECT DISTINCT
```

Data Output Messages Notifications

SQL

passenger_id	full_name	arrival_airport	arrival_city	arrival_country
--------------	-----------	-----------------	--------------	-----------------

Total rows: 0 Query complete 00:00:00.046

Successfully run. Total query runtime: 46 msec. 0 rows affected. X

CRLF Ln 61, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

Query History

```
70 WHERE DATE_PART('year', AGE(CURRENT_DATE, p.date_of_birth)) < 18
71 ORDER BY full_name
72
73 SELECT DISTINCT
74     p.last_name || ' ' || p.first_name AS full_name,
75     p.passport_number,
76     f.sch_arrival_time AS arrival_time_at_destination,
77     arr.airport_name
78 FROM passengers p
79 JOIN booking b      ON b.passenger_id = p.passenger_id
80 JOIN booking_flight bf ON bf.booking_id = b.booking_id
81 JOIN flights f      ON f.flight_id = bf.flight_id
82 JOIN airport arr   ON arr.airport_id = f.arriving_airport_id
83 ORDER BY full_name;
84
85 SELECT
```

Data Output Messages Notifications

Showing rows: 1 to 205 Page No: 1 of 1

	full_name	passport_number	arrival_time_at_destination	airport_name
1	Abbey Thatch	A1234567	2011-05-05 22:04:19	Prentiss Airport
2	Antognelli Rebecca	D2468101	2008-06-02 00:25:11	Ally Airport
3	Arling Alaster	B9876543	2009-08-12 10:02:18	Georgetta Airport
4	Arnoll Ware	D2468101	2008-03-14 13:59:18	Zeb Airport
5	Aylmer Fina	A1234567	2025-05-29 08:03:15	Allison Airport
6	Bailey Bertha	D2468101	2041-09-08 20:28:03	Talbot Airport
7	Bakes Rosco	B9876543	2030-11-09 06:20:38	Moses Airport
8	Batey Cathyleen	B9876543	2040-01-23 15:20:06	Korella Airport
9	Beaman Erin	B9876543	2033-08-25 05:22:46	Carri Airport
10	Behagg Zaccaria	E1357924	2023-08-22 18:38:46	Anissa Airport

Total rows: 205 Query complete 00:00:00.074 ✓ Successfully run. Total query runtime: 74 msec. 205 rows affected. CRLF Ln 73, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Welcome db_course25/postgres@PostgreSQL 17*

Query History

```
85
86 SELECT
87     dep.country      AS origin_country,
88     f.flight_id,
89     al.airline_name,
90     dep.airport_name AS from_airport
91 FROM flights AS f
92 JOIN airline AS al ON al.airline_id = f.airline_id
93 JOIN airport AS dep ON dep.airport_id = f.departing_airport_id
94 JOIN airport AS arr ON arr.airport_id = f.arriving_airport_id
95 WHERE dep.country IS NOT DISTINCT FROM arr.country
96 ORDER BY origin_country NULLS LAST, f.flight_id;
97
98
99 SELECT
100    den.country AS origin_country.
```

Data Output Messages Notifications

Showing rows: 1 to 202 Page No: 1 of 1

	origin_country	flight_id	airline_name	from_airport
1	United States	1	United Aerolines	Caterina Airport
2	United States	2	SAS Scandinavian	Raimundo Airport
3	United States	3	Aero Canada	Brandi Airport
4	United States	4	All Nippon Aeroways	Brook Airport
5	United States	5	Thai Aeroways	Farrell Airport
6	United States	6	Aero India	Gill Airport
7	United States	7	Lufthansa	Trent Airport
8	United States	8	Southwest Aerolines	Chase Airport
9	United States	9	Korean Aero	Esme Airport
10	United States	10	Emirates	Haley Airport

✓ Successfully run. Total query runtime: 57 msec. 202 rows affected. X

Total rows: 202 Query complete 00:00:00.057 CRLF Ln 86, Col 1