

pgAdmin 4

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Dashboard × airport_db/postgres@airport_db*

Query History

Query

```
1 DO $$  
2 BEGIN  
3 BEGIN  
4     DELETE FROM booking WHERE booking_id = 999;  
5     RAISE EXCEPTION 'Simulated error';  
6     COMMIT;  
7 EXCEPTION  
8     WHEN OTHERS THEN  
9         ROLLBACK;  
10        RAISE NOTICE 'Transaction rolled back due to error';  
11    END;  
12 END $$;
```

Scratch Pad ×

Data Output Messages Notifications

NOTICE: Transaction rolled back due to error
DO

Query returned successfully in 55 msec.

Total rows: Query complete 00:00:00.055 ✓ Query returned successfully in 55 msec. LF Ln 4, Col 53

9.999 W

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Dashboard × airport_db/postgres@airport_db*

Query History

Execute script F5

```
1 begin;
2 update flights
3 set scheduled_departure = '2024-01-23'
4 where flight_id = 1;
5 commit;
```

Data Output Messages Notifications

COMMIT

Query returned successfully in 87 msec.

Total rows: Query complete 00:00:00.087

✓ Query returned successfully in 87 msec. ✘

LF Ln 5, Col 8

9.999 W

4:21 PM 11/25/25

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Object Explorer Dashboard airport_db/postgres@airport_db*

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 Columns (7) booking_id passenger_id booking_platform created_at update_at status price Constraints (2) Indexes RLS Policies Rules Triggers booking_flight flights Columns (14) flight_id flight_no scheduled_departure scheduled_arrival departure_airport_id

Query Query History Scratch Pad

```
1 DO $$  
2 BEGIN  
3   UPDATE bookings  
4     SET ticket_price = ticket_price * 0.9  
5     WHERE flight_id = 99999;  
6  
7   RAISE EXCEPTION 'Simulated error: invalid flight_id';  
8  
9   COMMIT;  
10 EXCEPTION  
11   WHEN OTHERS THEN  
12     ROLLBACK;  
13     RAISE NOTICE 'Transaction rolled back. No ticket prices were changed.';  
14  
15 END;  
16  
17 END $$;
```

Data Output Messages Notifications

NOTICE: Transaction rolled back. No ticket prices were changed.
DO

Query returned successfully in 52 msec.

Total rows: Query complete 00:00:00.052

✓ Query returned successfully in 52 msec. LF | Ln 8, Col 1

File Object Tools Edit View Window Help

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Object Explorer Dashboard airport_db/postgres@airport_db*

Query History Scratch Pad

```
1 do $$  
2 begin  
3 begin  
4 update passengers  
5 set first_name = 'John', last_name = 'James', date_of_birth = '1928-04-12', email = 'jj.john@gmail.com'  
6 where passenger_id = 1;  
7  
8 select * from booking where passenger_id = 1;  
9  
10 commit;  
11 exception  
12 when others then  
13 rollback;  
14 raise notice 'transaction rolled back. Passenger update failed.';  
15 end;  
16 end $$;
```

Data Output Messages Notifications

NOTICE: transaction rolled back. Passenger update failed.
DO

Query returned successfully in 61 msec.

Total rows: Query complete 00:00:00.061

✓ Query returned successfully in 61 msec. x

LF Ln 12, Col 14

5:50 PM 11/25/25

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Object Explorer Dashboard airport_db/postgres@airport_db*

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Query History

```
1 do $$  
2 declare  
3     new_passenger_id INT;  
4 begin  
5     begin  
6  
7         insert into passengers(first_name, last_name, date_of_birth, email, country_of_citizenship)  
8             values('Alice', 'Smith', '1990-02-01', 'alice_in_boarderland@example.com', 'Russia')  
9             returning passenger_id into new_passenger_id;  
10  
11         insert into bookings(passenger_id, price)  
12             values (new_passenger_id, 200);  
13  
14         commit;  
15     exception  
16         when others then  
17             rollback;  
18             raise notice 'Transaction rolled back. New passenger or booking failed';  
19     end;  
20 end $$;
```

Data Output Messages Notifications

NOTICE: Transaction rolled back. New passenger or booking failed
DO

Query returned successfully in 63 msec.

Total rows: Query complete 00:00:00.063 ✓ Query returned successfully in 63 msec. LF Ln 20, Col 8

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Dashboard × airport_db/postgres@airport_db*

Query History

```
1 do $$  
2 begin  
3     begin  
4         update booking  
5             set ticket_price = ticket_price + 50  
6             where flight_id = 20;  
7  
8         select booking_id, ticket_price from bookings where flight_id = 20;  
9  
10        commit;  
11    exception  
12        when others then  
13            rollback;  
14            raise notice 'Transaction rolled back. ticket price updating failed.';  
15    end;  
16 end $$;
```

Data Output Messages Notifications

NOTICE: Transaction rolled back. ticket price updating failed.
DO

Query returned successfully in 54 msec.

Total rows: Query complete 00:00:00.054 ✓ Query returned successfully in 54 msec. LF Ln 12, Col 19

6:03 PM 11/25/25

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Dashboard airport_db/postgres@airport_db*

Query History

```
1 do $$  
2 begin  
3     begin  
4         update baggage  
5             set weight_in_kg = 50  
6             where baggage_id = 11;  
7  
8         select * from baggage where baggage_id = 10;  
9  
10    commit;  
11  
12    exception  
13        when others then  
14            rollback;  
15            raise notice 'Transaction rolled back. Baggage update failed.';  
16    end;  
17 end $$;
```

Data Output Messages Notifications

NOTICE: Transaction rolled back. Baggage update failed.
DO

Query returned successfully in 76 msec.

Total rows: Query complete 00:00:00.076 ✓ Query returned successfully in 76 msec. LF Ln 15, Col 67

W File Object Tools Edit View Window Help

Object Explorer

Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications 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 Columns (5) baggage_id weight_in_kg created_date update_date booking_id Constraints Indexes RLS Policies Rules Triggers baggage_check boarding_pass booking

Dashboard airport_db/postgres@airport_db*

Query History

```
1 do $$  
2 begin  
3     begin  
4         update baggage  
5             set weight_in_kg = 50  
6             where baggage_id = 11;  
7  
8         select * from baggage where baggage_id = 10;  
9  
10    commit;  
11  
12    exception  
13        when others then  
14            rollback;  
15            raise notice 'Transaction rolled back. Baggage update failed.';  
16    end;  
17 end $$;
```

Data Output Messages Notifications

NOTICE: Transaction rolled back. Baggage update failed.
DO

Query returned successfully in 76 msec.

Total rows: Query complete 00:00:00.076 ✓ Query returned successfully in 76 msec. LF Ln 15, Col 67

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weight_in_kg
created_date
update_date
booking_id
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Indexes
RLS Policies
Rules
Triggers
baggage_check
boarding_pass
booking

Dashboard airport_db/postgres@airport_db*

Query Query History

```
1 do $$  
2 begin  
3     begin  
4         update bookings  
5             set ticket_price = ticket_price * 0.5  
6             where booking_id = 5 and passenger_id = 1;  
7  
8         select * from bookings where booking_id = 5;  
9  
10    commit;  
11  
12    exception  
13        when others then  
14            rollback;  
15            raise notice 'Transaction rolled back. Discount not applied.';  
16        end;  
17    end $$;
```

Data Output Messages Notifications

NOTICE: Transaction rolled back. Discount not applied.
DO

Query returned successfully in 53 msec.

Total rows: Query complete 00:00:00.053 ✓ Query returned successfully in 53 msec. LF Ln 15, Col 63

6:10 PM 11/25/25



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 - ✓ Columns (5)
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 - booking_id
 - flight_id
 - created_at
 - update_at
 - > Constraints
 - > Indexes
 - > RLS Policies
 - > Rules

Dashboard ✕  airport_db/postgres@airport_db* ✕

```
airport_db/postgres@airport_db
Query History

1 do $$ 
2 begin
3     begin
4         update booking_flight
5             set flight_id = 45
6             where flight_id = 13;
7
8         select * from flights where flight_id = 45;
9
10        commit;
11
12    exception
13        when others then
14            rollback;
15            raise notice 'Transaction rolled back. bookings not rescheduled.';
16    end;
17 end $$;
```

Data Output Messages Notifications

Query returned successfully in 172 msec

Total rows: Query complete 00:00:00.172

✓ Query returned successfully in 172 msec

LF | Ln 17, Col

