

pgAdmin 4

File Object Tools Edit View Window Help

Welcome Lab1ok/postgres@Lab1*

Lab1ok/postgres@Lab1

Query Query History Scratch Pad

```
1 -- 1. Отмена бронирования + ROLLBACK при ошибке
2 begin;
3 delete from booking_flight where booking_id = 12345; -- существующее бронирование
4 delete from booking where booking_id = 12345;
5 commit;
6 -- Проверка: строки исчезли
7 select * from booking where booking_id = 12345;
8
9 -- Симуляция ошибки
10 begin;
11 delete from booking_flight where booking_id = 99999; -- несуществующее
12 delete from booking where booking_id = 99999; -- здесь упадёт FK
13 rollback; -- всё откатится
14 -- Проверка: ничего не удалилось
15 select count(*) from booking;
```

Data Output Messages Notifications

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

	count bigint
1	500

Total rows: 1 Query complete 00:00:00.063 CRLF Ln 15, Col 7

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Welcome Lab1ok/postgres@Lab1* x

Lab1ok/postgres@Lab1

Query Query History Scratch Pad x

```
1  -- 2 -----
2  begin;
3  update flights set actual_departure = '2025-12-25 14:30:00' where flight_id = 500;
4  commit;
5  -- симуляция ошибки
6  begin;
7  update flights set actual_departure = '2025-12-30' where flight_id = 999999;
8  select 1/0;
9  commit;
10 rollback;
11
12
13
14
15
16
17
18 -- 1. Отмена бронирования + ROLLBACK при ошибке
19 begin;
```

Data Output Messages Notifications

ROLLBACK

Query returned successfully in 72 msec.

Total rows: Query complete 00:00:00.072 CRLF Ln 10, Col 7

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File Object Tools Edit View Window Help

Welcome Lab1ok/postgres@Lab1* x

Lab1ok/postgres@Lab1

Query Query History

```
1 BEGIN;
2 UPDATE booking
3 SET price = price * 0.9
4 WHERE booking_id IN (SELECT booking_id FROM booking_flight WHERE flight_id = 600);
5 COMMIT;
6 SELECT '3 — цена снижена' AS status;
7
8
9
10
11
12
13
14
15
16
17
18
19
```

Scratch Pad x

Data Output Messages Notifications

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

	status text
1	3 — цена снижена

Total rows: 1 Query complete 00:00:00.071 CRLF Ln 11, Col 1

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Welcome Lab1ok/postgres@Lab1* x

Lab1ok/postgres@Lab1

Query Query History

```
1 -- 4.
2 BEGIN;
3 UPDATE passengers
4 SET first_name = 'Alexander', last_name = 'Smith'
5 WHERE passenger_id = 200;
6 COMMIT;
7 SELECT 'Данные пассажира обновлены' AS status;
8
9
10
11
12
13
14
15
16
17
18
19
```

Scratch Pad x

Data Output Messages Notifications

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

	status text
1	Данные пассажира обновлены

Total rows: 1 Query complete 00:00:00.113

✓ Successfully run. Total query runtime: 113 msec. 1 rows affected. ✕

CRLF Ln 9, Col 1

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Welcome Lab1ok/postgres@Lab1* x

Lab1ok/postgres@Lab1

Query Query History Scratch Pad x

```
1  -- 6. Повышение цены на 50
2  BEGIN;
3  UPDATE booking
4  SET price = price + 50
5  WHERE booking_id IN (SELECT booking_id FROM booking_flight WHERE flight_id = 800);
6  COMMIT;
7  SELECT 'Цена повышена' AS status;
8
9
10
11
12
13
14
15
16
17
18
```

Data Output Messages Notifications

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

	status text
1	Цена повышена

Total rows: 1 Query complete 00:00:00.088 CRLF Ln 15, Col 1

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File Object Tools Edit View Window Help

Welcome Lab1ok/postgres@Lab1* x

Lab1ok/postgres@Lab1

Query Query History Scratch Pad x

```
1 -- 7. Обновление веса багажа
2 BEGIN;
3 UPDATE baggage SET weight_in_kg = 31.0 WHERE booking_id = 900;
4 COMMIT;
5 SELECT 'Вес багажа обновлён' AS status;
6
7
8 v rollback
9
10
11
12
13
14
15
16
17
18
```

Data Output Messages Notifications

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

	status text
1	Вес багажа обновлён

Total rows: 1 Query complete 00:00:00.089 CRLF Ln 12, Col 1

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File Object Tools Edit View Window Help

Welcome Lab1ok/postgres... x Lab1ok/postgres@Lab_1* x

Lab1ok/postgres@Lab_1

Query Query History

```
1 -- 8. Скидка пассажиру
2 BEGIN;
3 UPDATE booking
4 SET price = price * 0.8
5 WHERE passenger_id = 300;
6
7 -- Специально вызываем ошибку
8 UPDATE booking SET no_kolonka = 1;
9
10 COMMIT;
11 ROLLBACK;
12 SELECT 'Скидка НЕ применена' AS статус;
```

Scratch Pad

Data Output Messages Notifications

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

	статус text
1	Скидка НЕ применена

Total rows: 1 Query complete 00:00:00.072

Successfully run. Total query runtime: CRLF Ln 12, Col 40

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File Object Tools Edit View Window Help

Welcome Lab1ok/postgres... x Lab1ok/postgres@Lab_1* x

Lab1ok/postgres@Lab_1

Query Query History

```
1 -- 9. Перенос бронирований
2 BEGIN;
3 UPDATE booking_flight SET flight_id = 600 WHERE flight_id = 500;
4 COMMIT;
5 SELECT 'Все брони перенесены с 500 на 600' AS status;
6
7
8
9
10
11
12
13
14
15
16
17
18
19
```

Scratch Pad x

Data Output Messages Notifications

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

	status text
1	Все брони перенесены с 500 на 600

Total rows: 1 Query complete 00:00:00.090 CRLF Ln 7, Col 1