

pgAdmin 4

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Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... Lab_1/postgre... Lab_1/postgre... Lab_1/postgre... Lab_1/post

Lab_1/postgres@PostgreSQL 17

Query Query History Scratch Pad

```

1 -- 1. Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.
2 ALTER TABLE PASSENGERS
3 ADD CONSTRAINT AGE_CHECKER CHECK(EXTRACT(YEAR FROM AGE(date_of_birth)) >= 10);
4 -- 2. Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.
5 ALTER TABLE BOOKING
6 ADD CONSTRAINT PRICE_CHECKER CHECK(PRICE <= 50000 AND PRICE >= 0);
7 -- 3. Add a CHECK constraint to accept the luggage weight between 1 and 23kg.
8 ALTER TABLE BAGGAGE
9 ADD CONSTRAINT BAGGAGE_WEIGHT_CHECKER CHECK(WEIGHT_IN_KG >= 1 AND WEIGHT_IN_KG <= 23);
10 -- 4. Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.
11 ALTER TABLE AIRPORT
12 ADD CONSTRAINT AIRPORT_NAME_CHECKER CHECK(LENGTH(AIRPORT_NAME) >= 10);
13 -- 5. Add UNIQUE constraint to some columns in each table in database.
14 ALTER TABLE AIRLINE ADD CONSTRAINT UNIQUE_AIRLINE_CODE UNIQUE(AIRLINE_CODE);
15
16 ALTER TABLE AIRPORT ADD CONSTRAINT UNIQUE_AIRPORT_NAME UNIQUE(AIRPORT_NAME);
17
18 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be
19
20 -- 7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):
21 -- • Passengers from Kazakhstan must be at least 18 years old.
22 -- • Passengers from France must be at least 17 years old.
23 -- • Passengers from other countries must be at least 19 years old.
24
25 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
26 -- • the constraint applies a 5% discount for tickets created after 2024-01-01,
27 -- and 10% discount for tickets created before 2024-01-01.

```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 51 msec.

Total rows: 488 of 488 Query complete 00:00:00.051

Ln 2, Col 1

Activate Windows
Go to Settings to activate Windows
Query returned successfully in 51 msec.

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 - Triggers
 - baggage_check
 - boarding_pass

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Lab_1/postgres@PostgreSQL 17

Query Query History

```

1 -- 1. Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.
2 ALTER TABLE PASSENGERS
3 ADD CONSTRAINT AGE_CHECKER CHECK(EXTRACT(YEAR FROM AGE(date_of_birth)) >= 10);
4 -- 2. Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.
5 ALTER TABLE BOOKING
6 ADD CONSTRAINT PRICE_CHECKER CHECK(PRICE <= 50000 AND PRICE >= 0);
7 -- 3. Add a CHECK constraint to accept the luggage weight between 1 and 23kg.
8 ALTER TABLE BAGGAGE
9 ADD CONSTRAINT BAGGAGE_WEIGHT_CHECKER CHECK(WEIGHT_IN_KG >= 1 AND WEIGHT_IN_KG <= 23);
10 -- 4. Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.
11 ALTER TABLE AIRPORT
12 ADD CONSTRAINT AIRPORT_NAME_CHECKER CHECK(LENGTH(AIRPORT_NAME) >= 10);
13 -- 5. Add UNIQUE constraint to some columns in each table in database.
14 ALTER TABLE AIRLINE ADD CONSTRAINT UNIQUE_AIRLINE_CODE UNIQUE(AIRLINE_CODE);
15
16 ALTER TABLE AIRPORT ADD CONSTRAINT UNIQUE_AIRPORT_NAME UNIQUE(AIRPORT_NAME);
17
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25 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
26 -- • the constraint applies a 5% discount for tickets created after 2024-01-01,
27 -- and 10% discount for tickets created before 2024-01-01.

```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 37 msec.

Total rows: 488 of 488 Query complete 00:00:00.037

Ln 5, Col 1

Activate Windows
Go to Settings to activate Windows
✓ Query returned successfully in 37 msec. ✕

15°C Smoke
2:05 AM
10/10/2024

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Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... Lab_1/postgre... Lab_1/postgre... Lab_1/postgre... Lab_1/post

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No limit

Query Query History

```

1 -- 1. Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.
2 ALTER TABLE PASSENGERS
3 ADD CONSTRAINT AGE_CHECKER CHECK(EXTRACT(YEAR FROM AGE(date_of_birth)) >= 10);
4 -- 2. Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.
5 ALTER TABLE BOOKING
6 ADD CONSTRAINT PRICE_CHECKER CHECK(PRICE <= 50000 AND PRICE >= 0);
7 -- 3. Add a CHECK constraint to accept the luggage weight between 1 and 23kg.
8 DELETE FROM BAGGAGE WHERE WEIGHT_IN_KG > 23;
9 ALTER TABLE BAGGAGE
10 ADD CONSTRAINT BAGGAGE_WEIGHT_CHECKER CHECK(WEIGHT_IN_KG <= 23 AND WEIGHT_IN_KG >= 1);
11 -- 4. Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.
12 ALTER TABLE AIRPORT
13 ADD CONSTRAINT AIRPORT_NAME_CHECKER CHECK(LENGTH(AIRPORT_NAME) >= 10);
14 -- 5. Add UNIQUE constraint to some columns in each table in database.
15 ALTER TABLE AIRLINE ADD CONSTRAINT UNIQUE_AIRLINE_CODE UNIQUE(AIRLINE_CODE);
16
17 ALTER TABLE AIRPORT ADD CONSTRAINT UNIQUE_AIRPORT_NAME UNIQUE(AIRPORT_NAME);
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19 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be
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21 -- 7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):
22 -- • Passengers from Kazakhstan must be at least 18 years old.
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24 -- • Passengers from other countries must be at least 19 years old.
25
26 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
27 -- the constraint applies a 5% discount for tickets created after 2024-01-01.

```

Scratch Pad

Data Output Messages Notifications

DELETE 258

Query returned successfully in 78 msec.

Total rows: 488 of 488 Query complete 00:00:00.078

Ln 8, Col 1

Activate Windows
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15°C Smoke

2:11 AM
10/10/2024

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Lab_1/postgres@PostgreSQL 17

No limit

Query Query History

```

1 -- 1. Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.
2 ALTER TABLE PASSENGERS
3 ADD CONSTRAINT AGE_CHECKER CHECK(EXTRACT(YEAR FROM AGE(date_of_birth)) >= 10);
4 -- 2. Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.
5 ALTER TABLE BOOKING
6 ADD CONSTRAINT PRICE_CHECKER CHECK(PRICE <= 50000 AND PRICE >= 0);
7 -- 3. Add a CHECK constraint to accept the luggage weight between 1 and 23kg.
8 DELETE FROM BAGGAGE WHERE WEIGHT_IN_KG > 23;
9 ALTER TABLE BAGGAGE
10 ADD CONSTRAINT BAGGAGE_WEIGHT_CHECKER CHECK(WEIGHT_IN_KG <= 23 AND WEIGHT_IN_KG >= 1);
11 -- 4. Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.
12 ALTER TABLE AIRPORT
13 ADD CONSTRAINT AIRPORT_NAME_CHECKER CHECK(LENGTH(AIRPORT_NAME) >= 10);
14 -- 5. Add UNIQUE constraint to some columns in each table in database.
15 ALTER TABLE AIRLINE ADD CONSTRAINT UNIQUE_AIRLINE_CODE UNIQUE(AIRLINE_CODE);
16
17 ALTER TABLE AIRPORT ADD CONSTRAINT UNIQUE_AIRPORT_NAME UNIQUE(AIRPORT_NAME);
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19 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be
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26 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
27 -- the constraint applies a 5% discount for tickets created after 2024-01-01.

```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 37 msec.

Total rows: 488 of 488 Query complete 00:00:00.037

Ln 9, Col 1

Activate Windows
Go to Settings to activate Windows
✓ Query returned successfully in 37 msec. ✕

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 - update_date
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No limit

Query Query History Scratch Pad

```

1 -- 1. Add a CHECK constraint to passenger table to provide that passengers must be at least 10 years old.
2 ALTER TABLE PASSENGERS
3 ADD CONSTRAINT AGE_CHECKER CHECK(EXTRACT(YEAR FROM AGE(date_of_birth)) >= 10);
4 -- 2. Add a CHECK constraint to accept values in booking price not more than 50000tg and less than 0tg.
5 ALTER TABLE BOOKING
6 ADD CONSTRAINT PRICE_CHECKER CHECK(PRICE <= 50000 AND PRICE >= 0);
7 -- 3. Add a CHECK constraint to accept the luggage weight between 1 and 23kg.
8 DELETE FROM BAGGAGE WHERE WEIGHT_IN_KG > 23;
9 ALTER TABLE BAGGAGE
10 ADD CONSTRAINT BAGGAGE_WEIGHT_CHECKER CHECK(WEIGHT_IN_KG <= 23 AND WEIGHT_IN_KG >= 1);
11 -- 4. Add a CHECK constraint to ensure that all values in airport_name must have at least 10 characters.
12 ALTER TABLE AIRPORT
13 ADD CONSTRAINT AIRPORT_NAME_CHECKER CHECK(LENGTH(AIRPORT_NAME) >= 10);
14 -- 5. Add UNIQUE constraint to some columns in each table in database.
15 ALTER TABLE AIRLINE ADD CONSTRAINT UNIQUE_AIRLINE_CODE UNIQUE(AIRLINE_CODE);
16
17 ALTER TABLE AIRPORT ADD CONSTRAINT UNIQUE_AIRPORT_NAME UNIQUE(AIRPORT_NAME);
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19 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be
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24 -- • Passengers from other countries must be at least 19 years old.
25
26 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
27 -- the constraint applies a 5% discount for tickets created after 2024-01-01.

```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 45 msec.

Total rows: 488 of 488 Query complete 00:00:00.045

Ln 12, Col 1

Activate Windows
Go to Settings to activate Windows
✓ Query returned successfully in 45 msec. ✕

15°C Smoke
2:13 AM
10/10/2024

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File Object Tools Help

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 - Columns (6)
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 - booking_id
 - seat
 - boarding_time
 - created_at
 - update_at
 - Constraints (2)
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 - pk_boarding_pass
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 - Triggers
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (10)
 - passenger_id
 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citizenship
 - country_of_residence
 - passport_number

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... delete_all.sql Lab_1/postgre... Lab_1/postgre... Lab_1/postgre...

Lab_1/postgres@PostgreSQL 17

Query Query History

Execute/Refresh (F5)

```
16 ADD CONSTRAINT AIRPORT_NAME_CHECK CHECK (LENGTH(AIRPORT_NAME) >= 10);
17
18 -- 5. Add UNIQUE constraint to some columns in each table in database.
19 -- ALTER TABLE AIRLINE DROP CONSTRAINT IF EXISTS UNIQUE_AIRLINE_CODE;
20 -- ALTER TABLE AIRPORT DROP CONSTRAINT IF EXISTS UNIQUE_AIRPORT_NAME;
21 -- ALTER TABLE PASSENGERS DROP CONSTRAINT IF EXISTS UNIQUE_PASSPORT_NUMBER;
22
23 ALTER TABLE AIRLINE ADD CONSTRAINT UNIQUE_AIRLINE_CODE UNIQUE(AIRLINE_CODE);
24
25 ALTER TABLE AIRPORT ADD CONSTRAINT UNIQUE_AIRPORT_NAME UNIQUE(AIRPORT_NAME);
26
27 --SKIP BAGGAGE
28
29 --SKIP BAGGAGE_CHECK
30
31 --SKIP BOARDING_PASS
32
33 --SKIP BOOKING
34
35 --SKIP BOOKING_FLIGHT
36
37 --SKIP FLIGHTS
38
39 ALTER TABLE PASSENGERS ADD CONSTRAINT UNIQUE_PASSPORT_NUMBER UNIQUE(PASSPORT_NUMBER);
40
41 --SKIP SECURITY_CHECK
42
43 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be
44
45 -- 7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):
```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 55 msec.

Total rows: 488 of 488 Query complete 00:00:00.055

Ln 23, Col 1

Activate Windows
Go to Settings to activate Windows
Query returned successfully in 55 msec.

15°C Mostly cloudy 2:34 AM 10/10/2024

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File Object Tools Help

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 - booking_id
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 - boarding_time
 - created_at
 - update_at
 - Constraints (2)
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 - pk_boarding_pass
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 - Columns (10)
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 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citizenship
 - country_of_residence
 - passport_number

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... delete_all.sql Lab_1/postgre... Lab_1/postgre... Lab_1/postgre...

Lab_1/postgres@PostgreSQL 17

Query Query History Scratch Pad

```
27 --SKIP BAGGAGE
28
29 --SKIP BAGGAGE_CHECK
30
31 --SKIP BOARDING_PASS
32
33 --SKIP BOOKING
34
35 --SKIP BOOKING_FLIGHT
36
37 --SKIP FLIGHTS
38
39 ALTER TABLE PASSENGERS ADD CONSTRAINT UNIQUE_PASSPORT_NUMBER UNIQUE(PASSPORT_NUMBER);
40
41 --SKIP SECURITY_CHECK
42
43 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be at least 19 years old.
44 DELETE FROM PASSENGERS WHERE EXTRACT(YEAR FROM AGE(date_of_birth)) < 18;
45 OR (GENDER = 'FEMALE' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 19));
46 ALTER TABLE PASSENGERS ADD CONSTRAINT MALE_AND_FEMALE_AGE_CHECK
47 CHECK( (GENDER = 'MALE' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 18)
48 OR (GENDER = 'FEMALE' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 19) );
49 -- 7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):
50 -- • Passengers from Kazakhstan must be at least 18 years old.
51 -- • Passengers from France must be at least 17 years old.
52 -- • Passengers from other countries must be at least 19 years old.
53
54 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
55 -- • the constraint applies a 5% discount for tickets created after 2024-01-01,
56 -- and 10% discount for tickets created before 2024-01-01.
```

Data Output Messages Notifications

DELETE 12

Query returned successfully in 65 msec.

Total rows: 488 of 488 Query complete 00:00:00.065 Ln 44, Col 1

Query returned successfully in 65 msec. X

Go to Settings to activate Windows

Query returned successfully in 56 msec. X

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 - boarding_time
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 - booking_flight
 - flights
 - passengers
 - Columns (10)
 - passenger_id
 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citizenship
 - country_of_residence
 - passport_number

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... delete_all.sql Lab_1/postgre... Lab_1/postgre... Lab_1/postgre...

Lab_1/postgres@PostgreSQL 17

Query Query History

```

29 --SKIP BAGGAGE_CHECK
30
31 --SKIP BOARDING_PASS
32
33 --SKIP BOOKING
34
35 --SKIP BOOKING_FLIGHT
36
37 --SKIP FLIGHTS
38
39 ALTER TABLE PASSENGERS ADD CONSTRAINT UNIQUE_PASSPORT_NUMBER UNIQUE(PASSPORT_NUMBER);
40
41 --SKIP SECURITY_CHECK
42
43 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be at least 19 years old.
44 DELETE FROM PASSENGERS WHERE ((GENDER = 'Male' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 18)
45 OR (GENDER = 'Female' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 19));
46
47 ALTER TABLE PASSENGERS ADD CONSTRAINT MALE_AND_FEMALE_AGE_CHECK
48 CHECK( (GENDER = 'Male' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 18)
49 OR (GENDER = 'Female' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 19));
50 -- 7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):
51 -- • Passengers from Kazakhstan must be at least 18 years old.
52 -- • Passengers from France must be at least 17 years old.
53 -- • Passengers from other countries must be at least 19 years old.
54
55 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
56 -- • the constraint applies a 5% discount for tickets created after 2024-01-01,
57 -- and 10% discount for tickets created before 2024-01-01.

```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 192 msec.

Total rows: 488 of 488 Query complete 00:00:00.192

Ln 47, Col 1

✓ Query returned successfully in 192 msec. ✕

Go to Settings to activate Windows

✓ Query returned successfully in 56 msec. ✕

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 - flights
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 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citizenship
 - country_of_residence
 - passport_number
 - created_at
 - update_at
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 - pk_passengers

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... delete_all.sql Lab_1/postgre... Lab_1/postgre... Lab_1/postgre...

Lab_1/postgres@PostgreSQL 17

Query Query History Scratch Pad

```

37 --SKIP FLIGHTS
38
39 ALTER TABLE PASSENGERS ADD CONSTRAINT UNIQUE_PASSPORT_NUMBER UNIQUE(PASSPORT_NUMBER);
40
41 --SKIP SECURITY_CHECK
42
43 -- 6. Add a CHECK constraint to ensure that male passengers must be at least 18 years old and female passengers must be at least 19 years old.
44 DELETE FROM PASSENGERS WHERE ((GENDER = 'Male' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 18)
45 OR (GENDER = 'Female' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 19) );
46
47 ALTER TABLE PASSENGERS ADD CONSTRAINT MALE_AND_FEMALE_AGE_CHECK
48 CHECK( (GENDER = 'Male' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 18)
49 OR (GENDER = 'Female' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 19) );
50 -- 7. Add a CHECK constraint to add rule as follow (use column country_of_citizenship):
51 -- • Passengers from Kazakhstan must be at least 18 years old.
52 -- • Passengers from France must be at least 17 years old.
53 -- • Passengers from other countries must be at least 19 years old.
54 DELETE FROM PASSENGERS WHERE ( ((country_of_citizenship = 'Kazakhstan' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 18)
55 (country_of_citizenship = 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 17)) OR
56 ((country_of_citizenship != 'Kazakhstan' AND country_of_citizenship != 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 19) );
57
58 ALTER TABLE PASSENGERS ADD CONSTRAINT CITIZENSHIP_CHECK
59 CHECK( ((country_of_citizenship = 'Kazakhstan' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 18) OR
60 (country_of_citizenship = 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 17)) OR
61 ((country_of_citizenship != 'Kazakhstan' AND country_of_citizenship != 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 19) );
62
63 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price
64 -- • the constraint applies a 5% discount for tickets created after 2024-01-01,
65 -- and 10% discount for tickets created before 2024-01-01.

```

Data Output Messages Notifications

DELETE 4

Query returned successfully in 158 msec.

Total rows: 488 of 488 Query complete 00:00:00.158

Ln 54, Col 1

Activate Windows
Go to Settings to activate Windows
✓ Query returned successfully in 158 msec. ✕

6°C Mostly cloudy 4:16 PM 10/10/2024

pgAdmin 4

File Object Tools Help

Object Explorer

- 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
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - Columns (10)
 - passenger_id
 - first_name
 - last_name
 - date_of_birth
 - gender
 - country_of_citizenship
 - country_of_residence
 - passport_number
 - created_at
 - update_at
 - Constraints (2)
 - age_checker
 - pk_passengers

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab5.sql* Lab_1/postgre... delete_all.sql Lab_1/postgre... Lab_1/postgre... Lab_1/postgre...

Lab_1/postgres@PostgreSQL 17

Query Query History

```

37
38
39 ENGERS ADD CONSTRAINT UNIQUE_PASSPORT_NUMBER UNIQUE(PASSPORT_NUMBER);
40
41 CHECK
42
43 K constraint to ensure that male passengers must be at least 18 years old and female passengers must be 19 years old.
44 ENGERS WHERE ((GENDER = 'Male' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 18)
45 = 'Female' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 19) );
46
47 ENGERS ADD CONSTRAINT MALE_AND_FEMALE_AGE_CHECK
48 'Male' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 18)
49 = 'Female' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 19) );
50 K constraint to add rule as follow (use column country_of_citizenship):
51 from Kazakhstan must be at least 18 years old.
52 from France must be at least 17 years old.
53 from other countries must be at least 19 years old.
54 ENGERS WHERE ( ((country_of_citizenship = 'Kazakhstan' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 18) OR
55 zenship = 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 17)) OR
56 izenship != 'Kazakhstan' AND country_of_citizenship != 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) < 19));
57
58 ENGERS ADD CONSTRAINT CITIZENSHIP_CHECK
59 _of_citizenship = 'Kazakhstan' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 18) OR
60 zenship = 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 17)) OR
61 izenship != 'Kazakhstan' AND country_of_citizenship != 'France' AND EXTRACT(YEAR FROM AGE(date_of_birth)) >= 19));
62
63 et_discount column to table booking and a CHECK constraint to apply some discount based on ticket price and created ti
64 int applies a 5% discount for tickets created after 2024-01-01,
65 unt for tickets created before 2024-01-01.

```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 55 msec.

Total rows: 488 of 488 Query complete 00:00:00.055

Ln 61, Col 132

Activate Windows
Go to Settings to activate Windows
Query returned successfully in 55 msec.

6°C Mostly cloudy 4:16 PM 10/10/2024

pgAdmin 4

File Object Tools Help

Object Explorer

- 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 (3)
 - booking_passenger_id_fkey
 - pk_booking
 - price_checker
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - booking_flight
 - flights
 - passengers
 - security_check
 - Columns (5)
 - security_check_id
 - check_result
 - created_at
 - update_at

Dashboard Properties SQL Statistics Dependencies Dependents Processes Lab_1/postgres@PostgreSQL 17

Lab_1/postgres@PostgreSQL 17

Query Query History

```

65 insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number,
66 insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number,
67 --valid
68 insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number,
69 insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number,
70 insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number,
71 --valid
72
73 -- 8. Add a ticket_discount column to table booking and a CHECK constraint to apply some discount based on ticket price and created time:
74 -- • the constraint applies a 5% discount for tickets created after 2024-01-01,
75 -- and 10% discount for tickets created before 2024-01-01.
76
77 --ALTER TABLE BOOKING DROP COLUMN ticket_discount;
78 --ALTER TABLE BOOKING DROP CONSTRAINT ticket_discount_CHECK;
79
80 ALTER TABLE BOOKING ADD COLUMN ticket_discount NUMERIC;
81 ALTER TABLE BOOKING ADD CONSTRAINT ticket_discount_CHECK CHECK(
82     ticket_discount = CASE
83         when EXTRACT(YEAR FROM CREATED_AT) >= 2024 then 0.05
84         else 0.10
85     end
86 );
87 --invalid
88 insert into booking (booking_id, passenger_id, booking_platform, created_at, update_at, status, price, ticket_discount) values (503, 58, 'Turcotte-
89 --valid
90 insert into booking (booking_id, passenger_id, booking_platform, created_at, update_at, status, price, ticket_discount) values (503, 58, 'Turcotte-
91

```

You are currently running version 7.6 of pgAdmin 4, however the current version is 8.6. [Click here for more information.](#)

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 36 msec.

Total rows: 0 of 0 Query complete 00:00:00.036

Ln 80, Col 1

Activate Windows
Go to Settings to activate Windows.
✓ Query returned successfully in 36 msec. ✕

9°C Cloudy 6:38 PM 10/23/2024