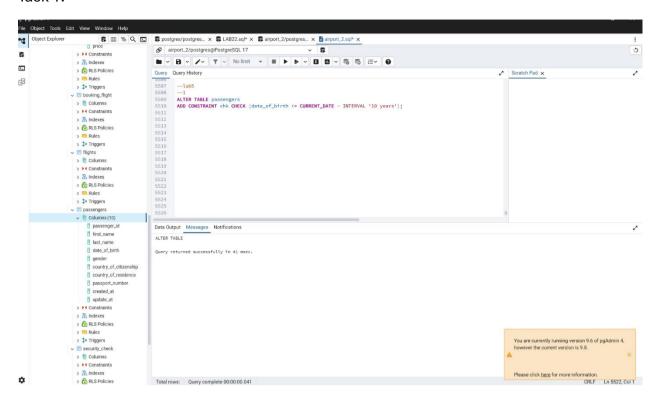
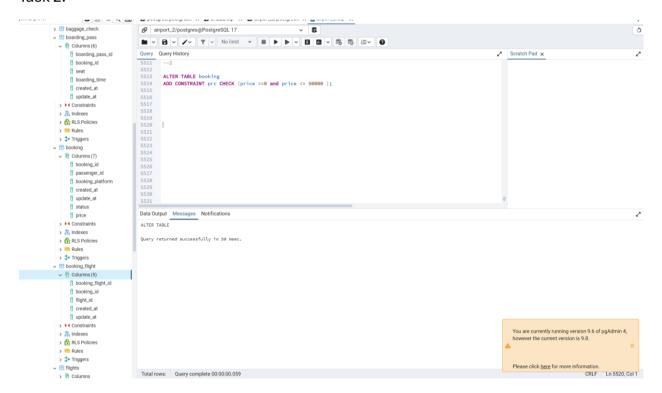
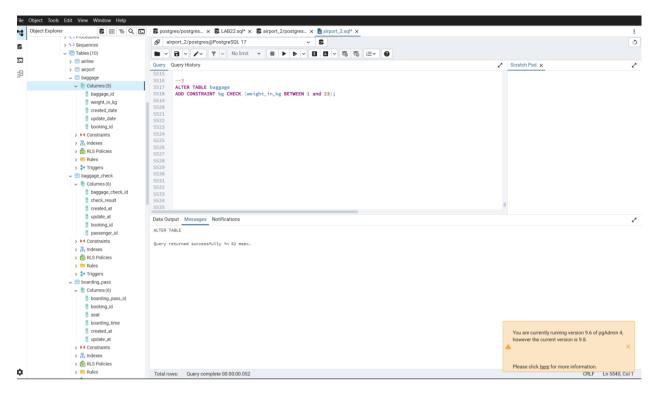
# Task 1.



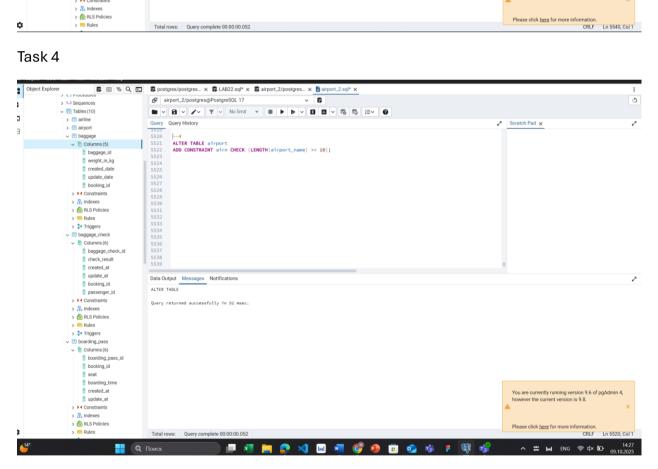
#### Task 2.



Task 3.



# Task 4



Task 5

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Object Explorer
                          ■ To Q D Spostgres/postgres... × Sp.LAB22.sql* × Sp.airport_2/postgres... × airport_2.sql* ×

    Ø airport_2/postgres@PostgreSQL 17

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                                                                                                                                                                                                                                                     ು
                                                  ALTER TABLE airline
ADD CONSTRAINT uniq UNIQUE (airline_code);
                                                           ALTER TABLE airport
ADD CONSTRAINT airUNIQ UNIQUE (airport_name);
                                                           ALTER TABLE baggage
ADD CONSTRAINT baguniq UNIQUE (baggage_id);
                                                           ALTER TABLE baggage_check
ADD CONSTRAINT checkuniq UNIQUE (baggage_check_id);
                                                          ALTER TABLE boarding_pass
ADD CONSTRAINT boaruniq UNIQUE (boarding_pass_id);
                                                           ALTER TABLE booking
ADD CONSTRAINT bookuniq UNIQUE (booking_id);
                  > M Constraints
> M Indexes
> RLS Policies
                                                          ALTER TABLE booking_flight
ADD CONSTRAINT buniq UNIQUE (booking_flight_id);
                   > Rules
> Triggers
                                                           ALTER TABLE flights
ADD CONSTRAINT flightuniq UNIQUE (arrival_airport_id);
                   booking flight
                  > Columns
> Constraints
> Indexes
                                                           ALTER TABLE passengers
ADD CONSTRAINT passuniq UNIQUE (passport_number);
                   > RLS Policies
                                                           ALTER TABLE sequrity_check
ADD CONSTRAINT securuniq UNIQUE (security_check_id);
                    Rules
Triggers

→ I flights

                                                  Data Output Messages Notifications
                  > P Columns
                   > Constraints
> RLS Policies
                                                  Query returned successfully in 76 msec.
                   Rules
                   > ‡ Triggers
                 ⇒ linggers

⇒ ⊞ passengers

⇒ ⊕ Columns (10)

⊕ passenger_id

⊕ first_name
                                               Total rows: Ouery complete 00:00:00.076
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## Task 6

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File Object Tools Edit View Window Help
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Object Explorer
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    booking_flight

✓ Scratch Pad ×
                                                                                                                                                                                                                          > Columns
> Constraints
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         --6
ALTER TABLE passengers
ADD CONSTRAINT guniq CHECK
((gender = 'Male' and date_of_birth <= CURRENT_DATE - INTERVAL '18 years' )
OR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OR (gender = 'Female' and date_of_birth <= CURRENT_DATE - INTERVAL '19 years' ));
                                                                                                                                                                                                                              > Rules
> Triggers
                                                                                                                                                                                                                          > fights
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                                                                                                                                                                                                                                  > Rules
> Triggers
                                                                                                                                                                                                                  > $\( \) friggers

\( \) = passengers

\( \) \( \) Columns(10)

\( \) passenger_id

\( \) first_name

\( \) last_name
                                                                                                                                                                                                                                                                        date_of_birth
                                                                                                                                                                                                                                                                    gender
country_of_citizenship
country_of_residence
                                                                                                                                                                                                                          passport_number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Data Output Messages Notifications
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALTER TABLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouerv returned successfully in 56 msec.

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    security_check
    security_check

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Task 7

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> tit RLS Policies

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         o
                                                                                  > Rules
> Triggers
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                                                                      booking_flight
Columns
Constraints
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                                                                                    > 3 Indexes
                                                                                                                                                                                                                                                                                            ALTER TABLE passengers
ADD CONSTRAINT newfi CHECK(
(country_of_citizenship = 'Kazakhstan' AND date_of_birth <= CURRENT_DATE - INTERVAL '18 years')
OR
(country_of_citizenship = 'France' AND date_of_birth <= CURRENT_DATE - INTERVAL '17 years')
OR
                                                                                  > findexes
> fine RLS Policies
> m Rules
> triggers
                                                                      > fights
> Columns
> Constraints
                                                                                                                                                                                                                                                                                                      OR
(country_of_citizenship NOT IN ('Kazakhstan', 'France') AND date_of_birth <= CURRENT_DATE - INTERVAL '19 years'))
                                                                                    > 3 Indexes
                                                                                    > 🕞 RLS Policies
                                                                                      > Triggers

√ 

☐ passengers

                                                                              v to Columns (10)

fi passenger_id

first_name
                                                                                                          B last name
                                                                                                        date_of_birth
gender
country_of_citizenship
                                                                                                        country_of_residence
passport_number
created_at
                                                                                                                                                                                                                                                        Data Output Messages Notifications
                                                                                                                                                                                                                                ALTER TABLE
                                                                                                            fl update_at

√ ► Constraints (4)

                                                                                                      ✓ chk
✓ guniq
                                                                                                                                                                                                                                                        Query returned successfully in 71 msec.
                                                                                  passengers_pkey
passuniq
RLS Policies
                                                                                    > MRules
                                                                      > the Rules
> the Triggers
> the Security_check
> the Columns
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> the Rules
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## Task 8

