

Database Explorer

postgres@localhost

- airline_info
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
 - columns 5
 - booking_flight_id integer = nextval('...')
 - booking_id integer
 - flight_id integer
 - created_at timestamp = CURRENT_TIMESTAMP
 - updated_at timestamp = CURRENT_TIMESTAMP
 - keys 1
 - foreign keys 2
 - indexes 1
 - triggers 1
- flight
- flights
- passengers
 - columns 10
 - passenger_id integer = nextval('...')
 - first_name varchar(50)
 - last_name varchar(50)
 - date_of_birth date
 - gender varchar(50)
 - country_of_citizenship varchar(50)
 - country_of_residence varchar(50)
 - passport_number varchar(20)

ex1.sql

```
622 ALTER TABLE TICKET -- I choose the table ticket because i have no price column in table booking
623 ADD CONSTRAINT price_check CHECK ( ticket_price > 0 and ticket_price <= 200 ); -- also i used dollars as currency
624
625 --task3
626 ALTER TABLE Baggage
627 ADD CONSTRAINT luggage_check CHECK(weight_in_kg BETWEEN 1 AND 23);
628
629 --task4
630 ALTER TABLE airport
631 ADD CONSTRAINT airport_check CHECK (LENGTH(airport_name) >= 10);
632
633 --task5
634 ALTER TABLE passengers
635 ADD CONSTRAINT unique_passport_number UNIQUE (passport_number);
636
637 --task6
638 ALTER TABLE passengers
639 ADD CONSTRAINT gender_check CHECK (
640 (gender = 'Male' AND extract(year from date_of_birth) >= 18) OR
641 (gender = 'Female' AND extract(year from date_of_birth) >= 19));
642
643 --task7
644 ALTER TABLE passengers
645 ADD CONSTRAINT chk_citizenship_age CHECK (
646 (country_of_citizenship = 'Kazakhstan' AND extract(year from date_of_birth) >= 18) OR
647 (country_of_citizenship = 'France' AND extract(year from date_of_birth) >= 17) OR
648 (country_of_citizenship NOT IN ('Kazakhstan', 'France') AND extract(year from date_of_birth) >= 19));
649
650 --task8
651 ALTER TABLE booking
652 ADD COLUMN ticket_discount DECIMAL(5, 2);
653
654 ALTER TABLE booking
655 ADD CONSTRAINT chk_ticket_discount CHECK (
656 (created_at >= '2024-01-01' AND ticket_discount = 0.05) OR
657 (created_at < '2024-01-01' AND ticket_discount = 0.10))
658
```

Services Database

practice1 ex1.sql 652:3 LF UTF-8 4 spaces

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ex1.sql

```
616
617 --labwork 5
618
619 --task1
620 ALTER TABLE passengers
621 ADD constraint age_check CHECK ( extract(year from date_of_birth) >= 10 );
622
623 --task2
624 ALTER TABLE TICKET -- I choose the table ticket because i have no price column in table booking
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660
```

Services Database

practice1 ex1.sql 643:75 LF UTF-8 4 spaces