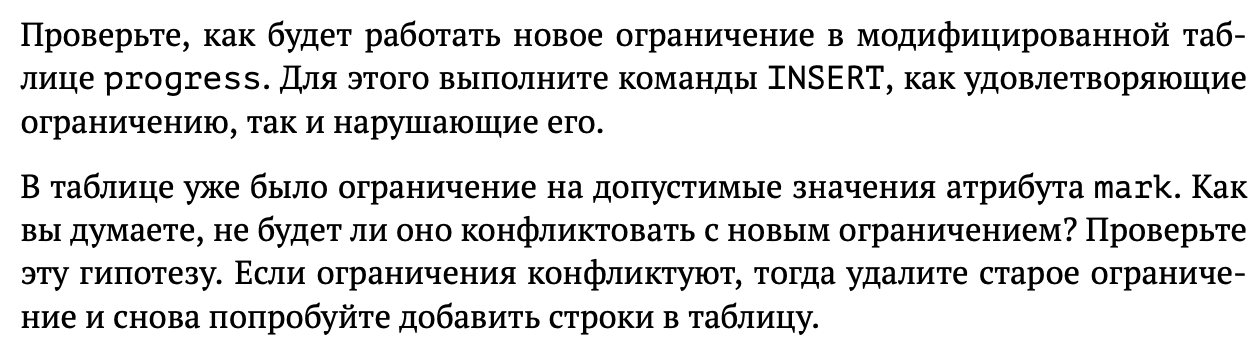
Домашняя работа №4

Попов Матвей, М8О-114СВ-24

# Задание 2



## Запрос

ALTER TABLE progress

ADD COLUMN test\_form text,

ADD CHECK (

( test\_form ='экзамен' AND mark IN ( 3, 4, 5 ))

OR

( test\_form ='зачет' AND mark IN ( 0, 1 ))

);

INSERT INTO progress (record\_book, subject, acad\_year, term, mark, test\_form)

VALUES (12345, 'МАТАН', '2020', 2, 3, 'экзамен');

INSERT INTO progress (record\_book, subject, acad\_year, term, mark, test\_form)

VALUES (54321, 'БД', '2024', 1, 4, 'зачет');

INSERT INTO progress (record\_book, subject, acad\_year, term, mark, test\_form)

VALUES (54321, 'ИИ', '2024', 1, 1, 'зачет');

ALTER TABLE progress

DROP CONSTRAINT progress\_mark\_check;

ALTER TABLE progress

ADD CHECK (

( test\_form ='экзамен' AND mark IN ( 3, 4, 5 ))

OR

( test\_form ='зачет' AND mark IN ( 0, 1 ))

);

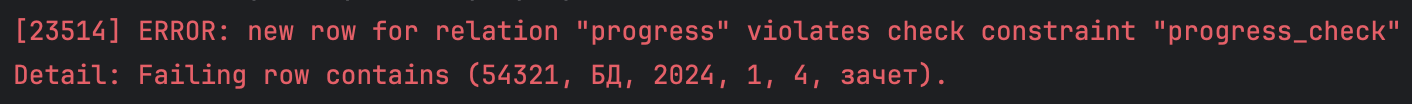
INSERT INTO progress (record\_book, subject, acad\_year, term, mark, test\_form)

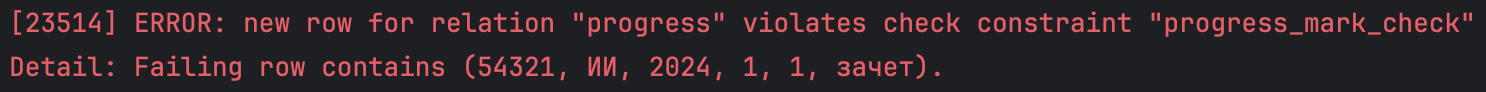
VALUES (54321, 'ИИ', '2024', 1, 1, 'зачет');

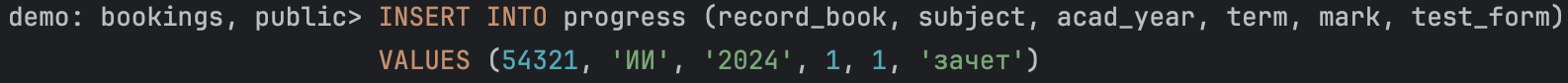
## Результат

Результаты запросов на вставку:

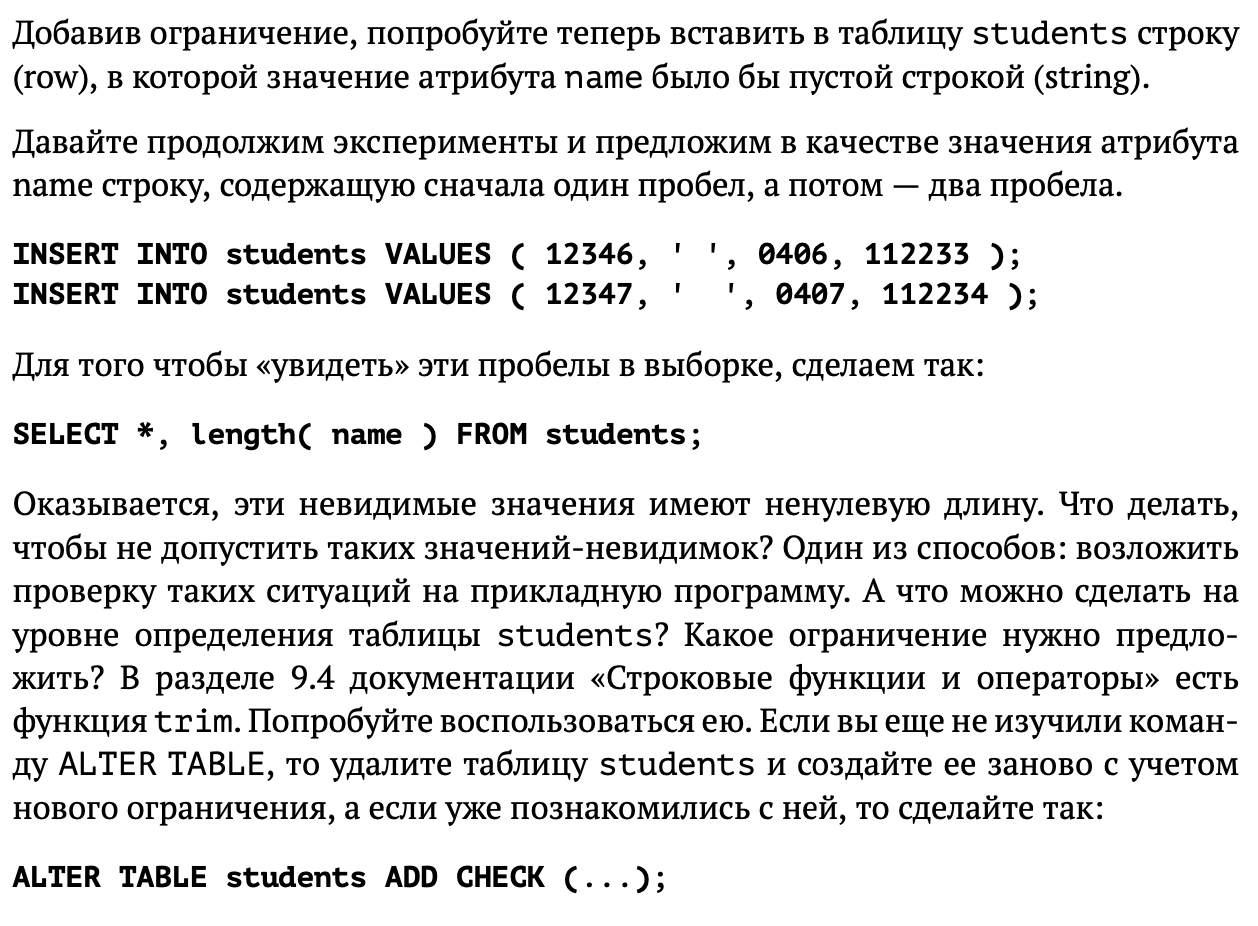








# Задание 9



## Запрос

ALTER TABLE students ADD CHECK ( name <>'' );

INSERT INTO students VALUES ( 12346,' ', 0406, 112233 );

INSERT INTO students VALUES ( 12347,' ', 0407, 112234 );

SELECT \*, length( name ) FROM students;

TRUNCATE TABLE students;

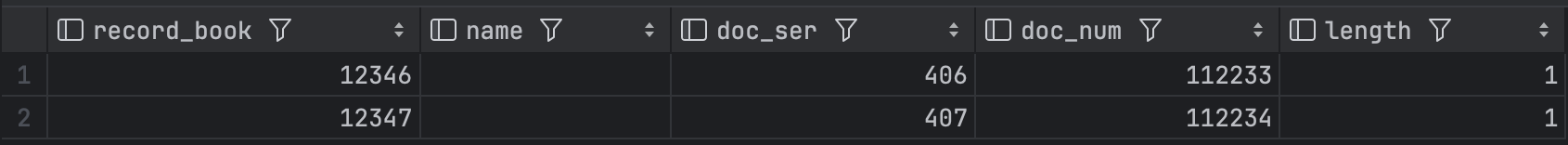
ALTER TABLE students ADD CHECK (trim(name) <> '');

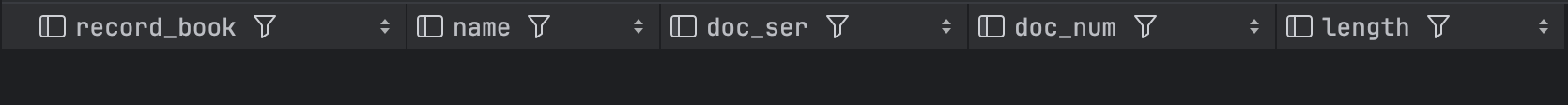
INSERT INTO students VALUES ( 12346,' ', 0406, 112233 );

SELECT \*, length( name ) FROM students;

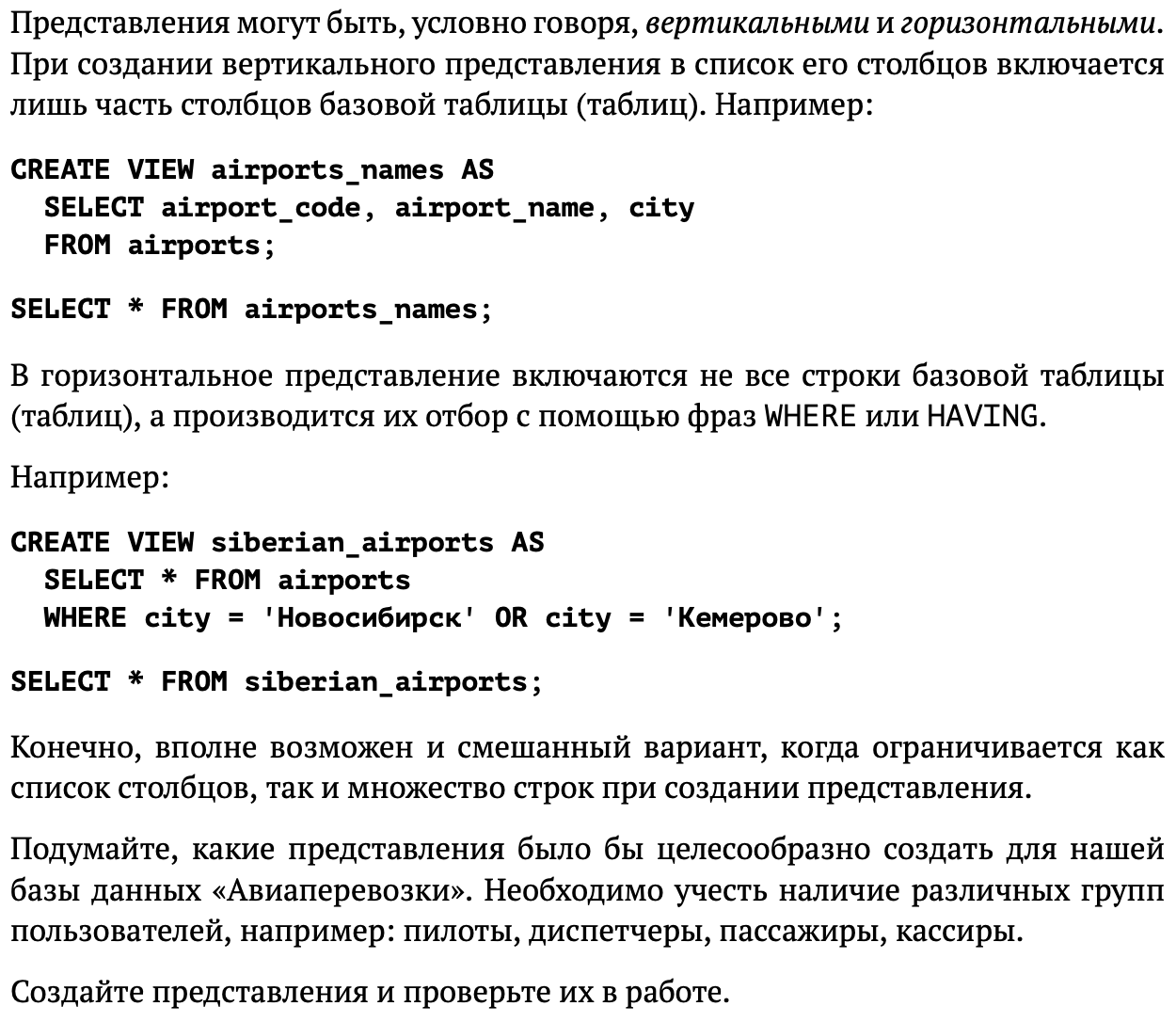
## Результат

Результаты запросов на выборку:



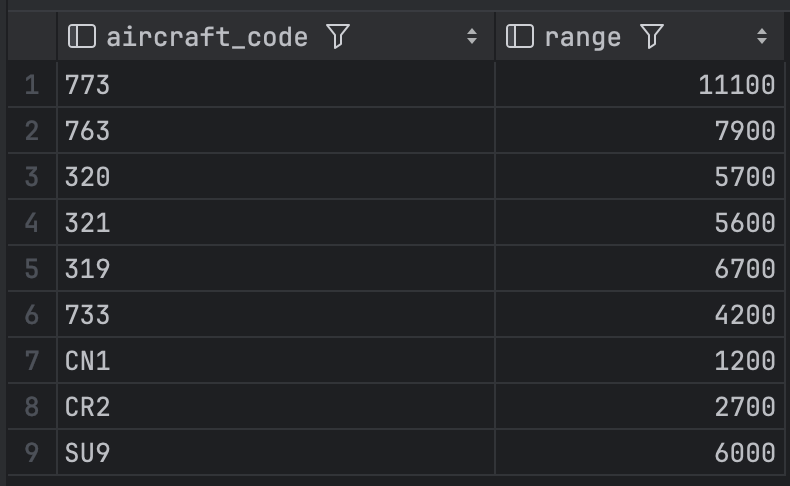


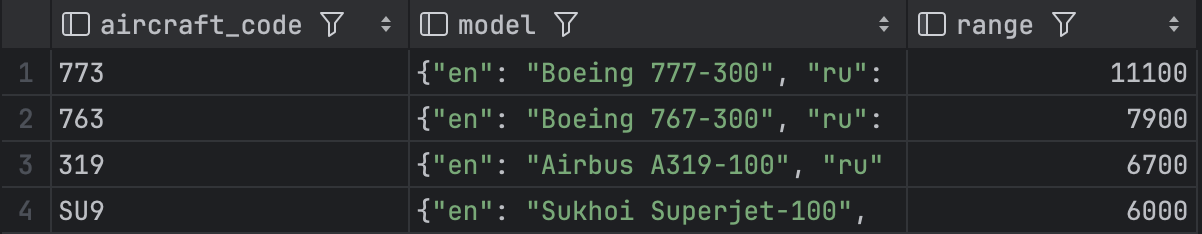
# Задание 17



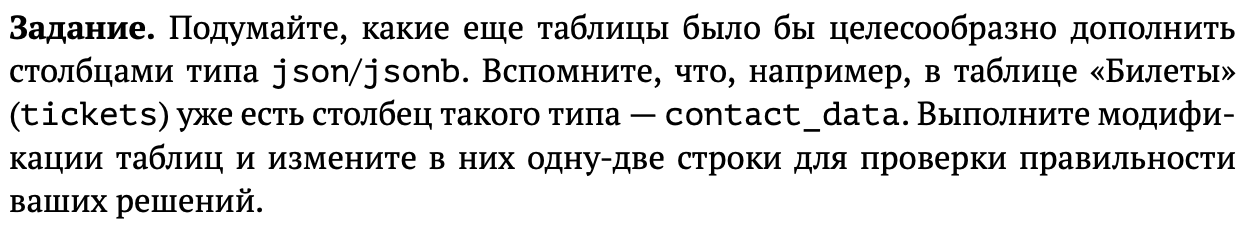
## Запрос

## Результат





# Задание 18



## Запрос

ALTER TABLE airports\_data

ADD COLUMN location jsonb;

UPDATE airports\_data

SET location =

'{"city": "Москва",

"country": "Россия",

"coordinates": {

"lattitude": 37.4,

"longitude": 56.0

}}

'

WHERE airport\_code = 'SVO';

SELECT location FROM airports\_data

WHERE airport\_code = 'SVO';

SELECT location->'city' FROM airports\_data

WHERE airport\_code = 'SVO';

SELECT location #> '{coordinates, longitude}' FROM airports\_data

WHERE airport\_code = 'SVO';

## Результат

