

Lab-6

```
1 DROP TABLE IF EXISTS baggage_checks, baggage, tickets, bookings, airlines, flights, passengers CASCADE;
2
3 CREATE TABLE passengers (
4     passenger_id SERIAL PRIMARY KEY,
5     first_name VARCHAR(50),
6     last_name VARCHAR(50),
7     gender VARCHAR(10),
8     birth_date DATE
9 );
10
11 CREATE TABLE airlines (
12     airline_id SERIAL PRIMARY KEY,
13     name VARCHAR(400),
14     country VARCHAR(50),
15     airline_code VARCHAR(20),
16     created_at DATE
17 );
18
19 CREATE TABLE flights (
20     flight_id SERIAL PRIMARY KEY,
21     flight_number VARCHAR(10),
22     airline_id INT REFERENCES airlines(airline_id),
23     origin_airport VARCHAR(50),
24     destination_country VARCHAR(50),
25     created_at DATE
26 );
27
28 CREATE TABLE bookings (
29     booking_id SERIAL PRIMARY KEY,
30     passenger_id INT REFERENCES passengers(passenger_id),
31     flight_id INT REFERENCES flights(flight_id),
32     platform VARCHAR(50),
33     price NUMERIC(10,2),
34     check_result VARCHAR(50),
35     created_at DATE
36 );
37
38 CREATE TABLE tickets (
39     ticket_id SERIAL PRIMARY KEY,
40     booking_id INT REFERENCES bookings(booking_id),
41     price NUMERIC(10,2),
42     created_at DATE
43 );
44
45 CREATE TABLE baggage (
46     baggage_id SERIAL PRIMARY KEY,
47     passenger_id INT REFERENCES passengers(passenger_id),
48     weight NUMERIC(6,2)
49 );
50
51 CREATE TABLE baggage_checks (
52     check_id SERIAL PRIMARY KEY,
53     baggage_id INT REFERENCES baggage(baggage_id),
54     created_at TIMESTAMPTZ,
55     updated_at TIMESTAMPTZ
56 );
57
58 INSERT INTO passengers (first_name, last_name, gender, birth_date) VALUES
59 ('Egypcean', 'Tneydenoa', 'Male', '1997-03-22'),
60 ('Kemp', 'Mycafeea', 'Female', '1993-07-11'),
61 ('Acvat', 'Ogarynoe', 'Male', '2010-11-30'),
62 ('Mapwa', 'Kameea', 'Female', '2006-12-25'),
63 ('Acen', 'Mpasooe', 'Male', '1994-05-09'),
64 ('Cawet', 'Kymamea', 'Male', '1991-02-14'),
65 ('Haaryna', 'Epramea', 'Female', '1990-08-08');
66
67 INSERT INTO airlines (name, country, airline_code, created_at) VALUES
68 ('Portugal Air', 'Portugal', 'P022', '2024-01-10'),
69 ('Poland Wings', 'Poland', 'PW', '2024-03-20'),
70 ('SCAT Airlines', 'Kazakhstan', 'DW123', '2024-01-15'),
71 ('Turkistan Wings', 'Kazakhstan', 'TW0', '2024-02-10'),
72 ('Euroasia Air', 'Kazakhstan', 'E2025', '2025-04-01'),
73 ('Stepe Air', 'Kazakhstan', 'S1', '2025-07-20'),
74 ('Nur-Sultan Air', 'Kazakhstan', 'NS0', '2025-09-20');
75
76 INSERT INTO flights (flight_number, airline_id, origin_airport, destination_country, created_at) VALUES
77 ('KZ200', 1, 'Lisbon', 'China', '2024-06-05'),
78 ('KZ400', 2, 'Warsaw', 'France', '2024-07-12'),
79 ('KZ500', 3, 'Almaty', 'Kazakhstan', '2024-08-01'),
80 ('KZ600', 4, 'Nur-Sultan', 'China', '2025-01-15'),
81 ('KZ700', 5, 'Shymkent', 'France', '2025-02-20'),
82 ('KZ800', 6, 'Astana', 'Portugal', '2025-03-05'),
83 ('KZ900', 7, 'Almaty', 'Poland', '2025-04-10');
84
85 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
86 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
87 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-20'),
88 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
89 (4, 2, 'Web', 120.00, 'Pending', '2025-03-05'),
90 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
91 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
92 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
93
94 INSERT INTO tickets (booking_id, price, created_at) VALUES
95 (1, 250.00, '2024-07-12'),
96 (2, 180.00, '2025-02-20'),
97 (3, 220.00, '2023-06-05'),
98 (4, 120.00, '2025-03-05'),
99 (5, 95.50, '2025-04-12'),
100 (6, 310.00, '2024-10-10'),
101 (7, 280.00, '2025-05-01');
102
103 INSERT INTO baggage (passenger_id, weight) VALUES
104 (1, 22.00),
105 (2, 10.50),
106 (3, 35.10),
107 (4, 20.00),
108 (5, 28.10),
109 (6, 26.00),
110 (7, 11.50);
111
112 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
113 (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00'),
114 (2, '2025-02-20 11:00:00', '2025-02-20 10:45:00'),
115 (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00'),
116 (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00'),
117 (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00'),
118 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
119 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
```

1) Write a query that displays all flights of a specific airline.

```
Query History
1. ('KZ900', 7, 'Almaty', 'Poland', '2025-04-10');
2. ('KZ800', 6, 'Astana', 'Portugal', '2025-03-05');
3. ('KZ900', 7, 'Almaty', 'Poland', '2025-04-10');
4.
5. INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
6. (1, 1, 'Web', 250.00, 'Checked', '2024-07-12');
7. (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28');
8. (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05');
9. (4, 3, 'Web', 120.00, 'Pending', '2025-03-05');
10. (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12');
11. (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10');
12. (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
13.
14. INSERT INTO tickets (booking_id, price, created_at) VALUES
15. (1, 250.00, '2024-07-12');
16. (2, 180.00, '2025-02-28');
17. (3, 220.00, '2023-06-05');
18. (4, 120.00, '2025-03-05');
19. (5, 95.50, '2025-04-12');
20. (6, 310.00, '2024-10-10');
21. (7, 280.00, '2025-05-01');
22.
23. INSERT INTO baggage (passenger_id, weight) VALUES
24. (1, 22.00);
25. (2, 18.50);
26. (3, 35.70);
27. (4, 20.00);
28. (5, 28.10);
29. (6, 26.00);
30. (7, 11.50);
31.
32. INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
33. (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00');
34. (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00');
35. (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00');
36. (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00');
37. (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00');
38. (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00');
39. (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
40.
41. -- 1
42. SELECT f.flight_number, f.origin_airport, f.destination_country, a.name AS airline
43. FROM flights f
44. JOIN airlines a ON f.airline_id = a.airline_id
45. WHERE a.name = 'SCAT Airlines';
46.
```

Data Output Messages Notifications

Flight number	origin_airport	destination_country	airline
character varying (10)	character varying (50)	character varying (50)	character varying (100)
1 KZ900	Almaty	Kazakhstan	SCAT Airlines

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

2) Compose a query to obtain a list of all flights with the names of departure airports.

```
Query History
60. ('KZ800', 6, 'Astana', 'Portugal', '2025-03-05');
61. ('KZ900', 7, 'Almaty', 'Poland', '2025-04-10');
62.
63. INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
64. (1, 1, 'Web', 250.00, 'Checked', '2024-07-12');
65. (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28');
66. (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05');
67. (4, 3, 'Web', 120.00, 'Pending', '2025-03-05');
68. (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12');
69. (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10');
70. (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
71.
72. INSERT INTO tickets (booking_id, price, created_at) VALUES
73. (1, 250.00, '2024-07-12');
74. (2, 180.00, '2025-02-28');
75. (3, 220.00, '2023-06-05');
76. (4, 120.00, '2025-03-05');
77. (5, 95.50, '2025-04-12');
78. (6, 310.00, '2024-10-10');
79. (7, 280.00, '2025-05-01');
80.
81. INSERT INTO baggage (passenger_id, weight) VALUES
82. (1, 22.00);
83. (2, 18.50);
84. (3, 35.70);
85. (4, 20.00);
86. (5, 28.10);
87. (6, 26.00);
88. (7, 11.50);
89.
90. INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
91. (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00');
92. (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00');
93. (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00');
94. (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00');
95. (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00');
96. (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00');
97. (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
98.
99. -- 2
100. SELECT f.flight_number, f.origin_airport AS departure_airport, f.destination_country, a.name AS airline
101. FROM flights f
102. JOIN airlines a ON f.airline_id = a.airline_id
103.
```

Data Output Messages Notifications

Flight number	departure_airport	destination_country	airline
character varying (10)	character varying (50)	character varying (50)	character varying (100)
1 KZ300	Lisbon	China	Portugal Air
2 KZ400	Warsaw	France	Poland Wings
3 KZ500	Almaty	Kazakhstan	SCAT Airlines
4 KZ600	Nur-Sultan	China	Turkistan Wings
5 KZ700	Shymkent	France	EuroAsia Air
6 KZ800	Astana	Portugal	Shappe Air
7 KZ900	Almaty	Poland	Nur-Sultan Air

Showing rows: 1 to 7 Page No: 1 of 1

3) Create a query that finds all airlines that have no flights scheduled for the next month.

```
Query Query History
83 ('KZ999', 7, 'Almaty', 'Poland', '2025-04-10');
84
85 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
86 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
87 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28'),
88 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
89 (4, 3, 'Web', 120.00, 'Pending', '2025-03-05'),
90 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
91 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
92 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
93
94 INSERT INTO tickets (booking_id, price, created_at) VALUES
95 (1, 250.00, '2024-07-12'),
96 (2, 180.00, '2025-02-28'),
97 (3, 220.00, '2023-06-05'),
98 (4, 120.00, '2025-03-05'),
99 (5, 95.50, '2025-04-12'),
100 (6, 310.00, '2024-10-10'),
101 (7, 280.00, '2025-05-01');
102
103 INSERT INTO baggage (passenger_id, weight) VALUES
104 (1, 22.00),
105 (2, 18.50),
106 (3, 35.70),
107 (4, 20.00),
108 (5, 28.10),
109 (6, 26.00),
110 (7, 11.50);
111
112 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
113 (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00'),
114 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
115 (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00'),
116 (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00'),
117 (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00'),
118 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
119 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
120
121 -- 3
122 SELECT a.name
123 FROM airlines a
124 LEFT JOIN flights f ON a.airline_id = f.airline_id
125 AND f.created_at BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '1 month'
126 WHERE f.flight_id IS NULL;
127
```

Data Output Messages Notifications

name
character varying (100)
1 Portugal Air
2 Poland Wings
3 SCAT Airlines
4 Turkistan Wings
5 EuroAsia Air
6 Steppes Air
7 Nur-Sultan Air

4) Create a query to display a list of passengers on a specific flight

```
Query Query History
83 ('KZ999', 7, 'Almaty', 'Poland', '2025-04-10');
84
85 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
86 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
87 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28'),
88 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
89 (4, 3, 'Web', 120.00, 'Pending', '2025-03-05'),
90 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
91 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
92 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
93
94 INSERT INTO tickets (booking_id, price, created_at) VALUES
95 (1, 250.00, '2024-07-12'),
96 (2, 180.00, '2025-02-28'),
97 (3, 220.00, '2023-06-05'),
98 (4, 120.00, '2025-03-05'),
99 (5, 95.50, '2025-04-12'),
100 (6, 310.00, '2024-10-10'),
101 (7, 280.00, '2025-05-01');
102
103 INSERT INTO baggage (passenger_id, weight) VALUES
104 (1, 22.00),
105 (2, 18.50),
106 (3, 35.70),
107 (4, 20.00),
108 (5, 28.10),
109 (6, 26.00),
110 (7, 11.50);
111
112 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
113 (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00'),
114 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
115 (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00'),
116 (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00'),
117 (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00'),
118 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
119 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
120
121 -- 4
122 SELECT p.first_name, p.last_name, b.platform, b.price
123 FROM passengers p
124 JOIN bookings b ON p.passenger_id = b.passenger_id
125 JOIN flights f ON b.flight_id = f.flight_id
126 WHERE f.flight_number = 'KZ999';
127
```

Data Output Messages Notifications

first_name	last_name	platform	price
character varying (50)	character varying (50)	character varying (50)	numeric (10,2)
1 Sapozhen	Trifonov	Web	250.00
2 Xanup	Mycadams	Mobile	180.00

5) Write a query that calculates the average, total, maximum and minimum price of tickets for each flight.

```

Query Query History
86 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
87 (4, 3, 'Web', 120.00, 'Pending', '2025-03-05'),
88 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
89 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
90 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
91
92
93
94 INSERT INTO tickets (booking_id, price, created_at) VALUES
95 (1, 250.00, '2024-07-12'),
96 (2, 180.00, '2025-02-28'),
97 (3, 220.00, '2023-06-05'),
98 (4, 120.00, '2025-03-05'),
99 (5, 95.50, '2025-04-12'),
100 (6, 310.00, '2024-10-10'),
101 (7, 280.00, '2025-05-01');
102
103
104 INSERT INTO baggage (passenger_id, weight) VALUES
105 (1, 22.00),
106 (2, 18.50),
107 (3, 35.70),
108 (4, 20.00),
109 (5, 28.10),
110 (6, 26.00),
111 (7, 11.50);
112
113 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
114 (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00'),
115 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
116 (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00'),
117 (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00'),
118 (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00'),
119 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
120 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
121
122
123 -- 5
124 SELECT f.flight_number,
125        AVG(t.price) AS avg_price,
126        SUM(t.price) AS total_price,
127        MAX(t.price) AS max_price,
128        MIN(t.price) AS min_price
129 FROM flights f
130 JOIN bookings b ON f.flight_id = b.flight_id
131 JOIN tickets t ON b.booking_id = t.booking_id
132 GROUP BY f.flight_number;
133
Data Output Messages Notifications
Showing rows: 1 to 6 Page No: 1 of 1

```

flight_number	avg_price	total_price	max_price	min_price
K2800	280.00000000000000000000	280.00	280.00	280.00
K2600	95.50000000000000000000	95.50	95.50	95.50
K2300	215.00000000000000000000	430.00	250.00	180.00
K2500	120.00000000000000000000	120.00	120.00	120.00
K2400	220.00000000000000000000	220.00	220.00	220.00
K2700	310.00000000000000000000	310.00	310.00	310.00

6) Create a query that shows all flights flying to a specific country by combining flights, airports and airline, and using the condition on the country name.

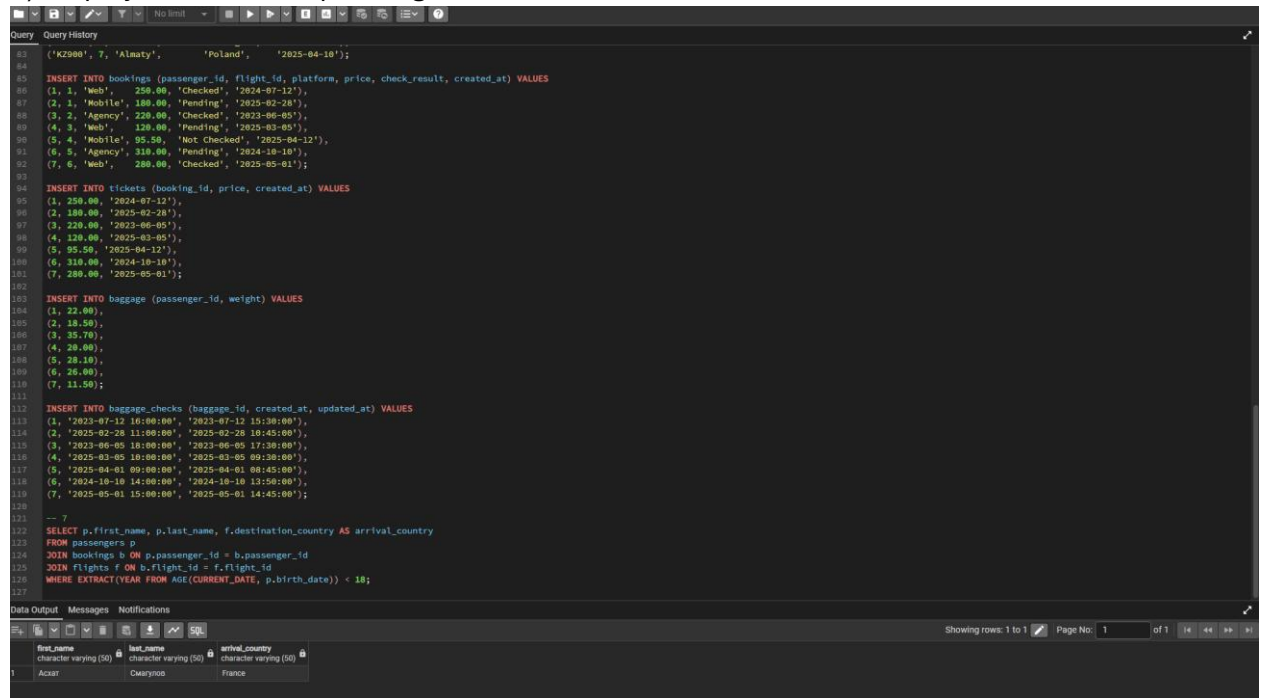
```

Query Query History
83 ('K2900', T, 'Almaty', 'Poland', '2025-04-10');
84
85 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
86 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
87 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28'),
88 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
89 (4, 3, 'Web', 120.00, 'Pending', '2025-03-05'),
90 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
91 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
92 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
93
94
95 INSERT INTO tickets (booking_id, price, created_at) VALUES
96 (1, 250.00, '2024-07-12'),
97 (2, 180.00, '2025-02-28'),
98 (3, 220.00, '2023-06-05'),
99 (4, 120.00, '2025-03-05'),
100 (5, 95.50, '2025-04-12'),
101 (6, 310.00, '2024-10-10'),
102 (7, 280.00, '2025-05-01');
103
104
105 INSERT INTO baggage (passenger_id, weight) VALUES
106 (1, 22.00),
107 (2, 18.50),
108 (3, 35.70),
109 (4, 20.00),
110 (5, 28.10),
111 (6, 26.00),
112 (7, 11.50);
113
114 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
115 (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00'),
116 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
117 (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00'),
118 (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00'),
119 (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00'),
120 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
121 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
122
123
124 -- 6
125 SELECT f.flight_number, f.origin_airport, f.destination_country, a.name AS airline
126 FROM flights f
127 JOIN airlines a ON f.airline_id = a.airline_id
128 WHERE f.destination_country = 'China';
129
Data Output Messages Notifications
Showing rows: 1 to 2 Page No: 1 of 1

```

flight_number	origin_airport	destination_country	airline
K2300	Lisbon	China	Portugal Air
K2600	Nur-Sultan	China	Turkistan Wings

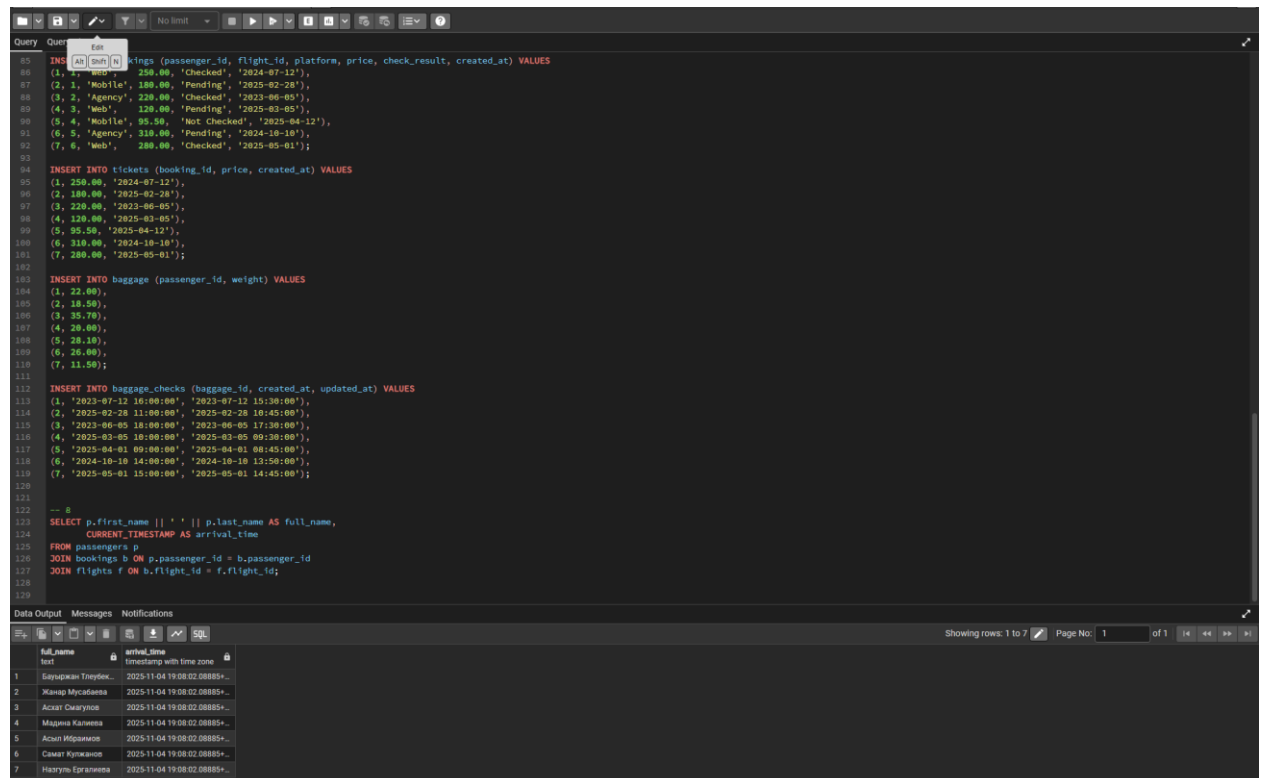
7) Display a list of minor passengers and their arrival destination.



```
Query History
83 ('K2900', 'T', 'Alaaly', 'Poland', '2025-04-10');
84
85 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
86 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
87 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28'),
88 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
89 (4, 3, 'Web', 120.00, 'Pending', '2025-03-05'),
90 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
91 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
92 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
93
94 INSERT INTO tickets (booking_id, price, created_at) VALUES
95 (1, 250.00, '2024-07-12'),
96 (2, 180.00, '2025-02-28'),
97 (3, 220.00, '2023-06-05'),
98 (4, 120.00, '2025-03-05'),
99 (5, 95.50, '2025-04-12'),
100 (6, 310.00, '2024-10-10'),
101 (7, 280.00, '2025-05-01');
102
103 INSERT INTO baggage (passenger_id, weight) VALUES
104 (1, 22.00),
105 (2, 18.50),
106 (3, 35.70),
107 (4, 20.00),
108 (5, 28.10),
109 (6, 26.00),
110 (7, 11.50);
111
112 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
113 (1, '2023-07-12 10:00:00', '2023-07-12 15:30:00'),
114 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
115 (3, '2023-06-05 10:00:00', '2023-06-05 17:30:00'),
116 (4, '2025-03-05 10:00:00', '2025-03-05 00:30:00'),
117 (5, '2025-04-01 09:00:00', '2025-04-01 00:45:00'),
118 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
119 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
120
121 -- 7
122 SELECT p.first_name, p.last_name, f.destination_country AS arrival_country
123 FROM passengers p
124 JOIN bookings b ON p.passenger_id = b.passenger_id
125 JOIN flights f ON b.flight_id = f.flight_id
126 WHERE EXTRACT(YEAR FROM AGE(CURRENT_DATE, p.birth_date)) < 18;
127
Data Output Messages Notifications
Showing rows: 1 to 1 Page No: 1 of 1
```

first_name	last_name	arrival_country
Acari	Csaryno	France

8) Display the passenger's full name, passport number, and the passenger's current time of arrival at the destination.



```
Query History
85 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
86 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
87 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28'),
88 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
89 (4, 3, 'Web', 120.00, 'Pending', '2025-03-05'),
90 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
91 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
92 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
93
94 INSERT INTO tickets (booking_id, price, created_at) VALUES
95 (1, 250.00, '2024-07-12'),
96 (2, 180.00, '2025-02-28'),
97 (3, 220.00, '2023-06-05'),
98 (4, 120.00, '2025-03-05'),
99 (5, 95.50, '2025-04-12'),
100 (6, 310.00, '2024-10-10'),
101 (7, 280.00, '2025-05-01');
102
103 INSERT INTO baggage (passenger_id, weight) VALUES
104 (1, 22.00),
105 (2, 18.50),
106 (3, 35.70),
107 (4, 20.00),
108 (5, 28.10),
109 (6, 26.00),
110 (7, 11.50);
111
112 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
113 (1, '2023-07-12 10:00:00', '2023-07-12 15:30:00'),
114 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
115 (3, '2023-06-05 10:00:00', '2023-06-05 17:30:00'),
116 (4, '2025-03-05 10:00:00', '2025-03-05 00:30:00'),
117 (5, '2025-04-01 09:00:00', '2025-04-01 00:45:00'),
118 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
119 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
120
121 -- 8
122 SELECT p.first_name || ' ' || p.last_name AS full_name,
123 CURRENT_TIMESTAMP AS arrival_time
124 FROM passengers p
125 JOIN bookings b ON p.passenger_id = b.passenger_id
126 JOIN flights f ON b.flight_id = f.flight_id
127
Data Output Messages Notifications
Showing rows: 1 to 7 Page No: 1 of 1
```

full_name	arrival_time
test	timestamp with time zone
Espaspin Tnyden...	2025-11-04 19:08:02.08885+
Kamno Mfakama	2025-11-04 19:08:02.08885+
Acari Csaryno	2025-11-04 19:08:02.08885+
Mugwa Kamwa	2025-11-04 19:08:02.08885+
Acari Mfakama	2025-11-04 19:08:02.08885+
Csari Kymawa	2025-11-04 19:08:02.08885+
Harym Eprama	2025-11-04 19:08:02.08885+

9) Print a list of flights where the airline's home country and origin country are the same. Group them by the airport country.

The screenshot shows a database interface with a query editor and a results pane. The query editor contains several SQL statements for data manipulation and a final SELECT query. The results pane displays the output of the SELECT query, showing flight details for flights originating from Kazakhstan.

```
Query History
82. ('KZ888', 6, 'Astana', 'Portugal', '2025-03-05'),
83. ('KZ999', 7, 'Almaty', 'Poland', '2025-04-10');
84
85
86 INSERT INTO bookings (passenger_id, flight_id, platform, price, check_result, created_at) VALUES
87 (1, 1, 'Web', 250.00, 'Checked', '2024-07-12'),
88 (2, 1, 'Mobile', 180.00, 'Pending', '2025-02-28'),
89 (3, 2, 'Agency', 220.00, 'Checked', '2023-06-05'),
90 (4, 3, 'Web', 120.00, 'Pending', '2023-02-02'),
91 (5, 4, 'Mobile', 95.50, 'Not Checked', '2025-04-12'),
92 (6, 5, 'Agency', 310.00, 'Pending', '2024-10-10'),
93 (7, 6, 'Web', 280.00, 'Checked', '2025-05-01');
94
95 INSERT INTO tickets (booking_id, price, created_at) VALUES
96 (1, 250.00, '2024-07-12'),
97 (2, 180.00, '2025-02-28'),
98 (3, 220.00, '2023-06-05'),
99 (4, 120.00, '2023-02-02'),
100 (5, 95.50, '2025-04-12'),
101 (6, 310.00, '2024-10-10'),
102 (7, 280.00, '2025-05-01');
103
104 INSERT INTO baggage (passenger_id, weight) VALUES
105 (1, 22.00),
106 (2, 18.50),
107 (3, 35.70),
108 (4, 20.00),
109 (5, 28.10),
110 (6, 26.00),
111 (7, 11.50);
112
113 INSERT INTO baggage_checks (baggage_id, created_at, updated_at) VALUES
114 (1, '2023-07-12 16:00:00', '2023-07-12 15:30:00'),
115 (2, '2025-02-28 11:00:00', '2025-02-28 10:45:00'),
116 (3, '2023-06-05 18:00:00', '2023-06-05 17:30:00'),
117 (4, '2025-03-05 10:00:00', '2025-03-05 09:30:00'),
118 (5, '2025-04-01 09:00:00', '2025-04-01 08:45:00'),
119 (6, '2024-10-10 14:00:00', '2024-10-10 13:50:00'),
120 (7, '2025-05-01 15:00:00', '2025-05-01 14:45:00');
121
122 -- $
123 SELECT f.flight_number, a.name AS airline, a.country AS airline_country, f.origin_airport
124 FROM flights f
125 JOIN airlines a ON f.airline_id = a.airline_id
126 WHERE a.country = 'Kazakhstan'
127 GROUP BY f.flight_number, a.name, a.country, f.origin_airport;
128
```

Data Output Messages Notifications

Showing rows: 1 to 5 Page No: 1 of 1

flight_number	airline	airline_country	origin_airport
KZ888	SCAT Airlines	Kazakhstan	Almaty
KZ888	Turkistan Wings	Kazakhstan	Nur-Sultan
KZ700	EuroAsia Air	Kazakhstan	Shymkent
KZ800	Steppe Air	Kazakhstan	Astana
KZ900	Nur-Sultan Air	Kazakhstan	Almaty