

1)

The screenshot shows a PostgreSQL console interface with two tabs: 'console' and 'console_2'. The 'console_2' tab is active and contains the following SQL query:

```
1  1. Write a query that displays all flights of a specific airline.  
2  
3  
4  SELECT f.flight_id,  
5      f.sch_departure_time,  
6      f.sch_arrival_time,  
7      a.airline_name  
8  FROM Flights f  
9  JOIN Airline a ON f.airline_id = a.airline_id  
10 WHERE a.airline_name = 'Airline 1';  
11  
12  
13  
14
```

Below the code editor is a results grid with four columns: 'flight_id', 'sch_departure_time', 'sch_arrival_time', and 'airline_name'. The status bar at the bottom indicates 'localhost > console_2' and the time '12:11'.

2)

The screenshot shows a PostgreSQL console interface with two tabs: 'console' and 'console_2'. The 'console_2' tab is active and contains the following SQL query:

```
1  2. Compose a query to obtain a list of all flights with the names of  
2  
3 ✓  
4  SELECT  
5      f.flight_id,  
6      f.sch_departure_time,  
7      a.airport_name AS departing_airport  
8  FROM Flights f  
9  JOIN Airport a  
10    ON f.departing_airport_id = a.airport_id;  
11  
12  
13  
14
```

Below the code editor is a results grid with three columns: 'flight_id', 'sch_departure_time', and 'departing_airport'. The status bar at the bottom indicates 'localhost > console_2' and the time '12:11'.

4)

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

```
1 4. Create a query to display a list of passengers on a specific flight.
2
3 ✓ SELECT
4     p.passenger_id,
5     p.first_name,
6     p.last_name,
7     p.gender,
8     p.country_of_citizenship
9 FROM Booking b
10 JOIN Passengers p
11      ON b.passenger_id = p.passenger_id
12 WHERE b.flight_id = 123;
13
14
```

The screenshot shows a database console interface with two tabs: "console" and "console_2". The "console_2" tab is active and contains the SQL query. Below the tabs is a toolbar with icons for file operations, search, and refresh. The main area displays the query code. At the bottom of the interface is a navigation bar with links like "Output", "slabwork.public.passenger", and other database-related options.

3)

3. Create a query that finds all airlines that have no flights scheduled.

```
1 3. Create a query that finds all airlines that have no flights scheduled
2
3 ✓ SELECT a.airline_id,
4         a.airline_name,
5         a.airline_code,
6         a.airline_country
7 FROM Airline a
8 LEFT JOIN Flights f
9      ON f.airline_id = a.airline_id
10     AND f.sch_departure_time >= CURRENT_DATE
11     AND f.sch_departure_time <  (CURRENT_DATE + INTERVAL '1 month')
12 WHERE f.flight_id IS NULL;
13
14
```

The screenshot shows a database console interface with two tabs: "console" and "console_2". The "console_2" tab is active and contains the SQL query. Below the tabs is a toolbar with icons for file operations, search, and refresh. The main area displays the query code. At the bottom of the interface is a navigation bar with links like "Output", "slabwork.public.airline", and other database-related options.

airline_id	airline_name	airline_code	airline_country
1	2 Airline 2	AL02	USA
2	5 Airline 5	AL05	Kazakhstan
3	8 FlyHigh	BR001	Brazil
4	6 KazAir	121	Kazakhstan
5	4 Airline 4	AL04	UAE
6	1 Airline 1	AL01	Germany
7	3 Airline 3	AL03	Germany

5)

```
console console_2
Tx: Auto Playground

1 5. Write a query that calculates the average, total, maximum and minimum
2
3 ! SELECT
4     flight_id,
5     AVG(ticket_price) AS avg_price,
6     SUM(ticket_price) AS total_price,
7     MAX(ticket_price) AS max_price,
8     MIN(ticket_price) AS min_price
9
10 FROM Booking
11 GROUP BY flight_id
12
13 ORDER BY flight_id;[42703] ОШИБКА: столбец "price" не существует
Позиция: 33
```

Output Result 46 ×

flight_id	avg_price	total_price	max_price	min_price

0 rows

6)

```
console console_2
Tx: Auto Playground

1 6. Create a query that shows all flights flying to a specific country by
2 ✓ SELECT
3     f.flight_id,
4     a.airline_name,
5     ap.airport_name AS arrival_airport,
6     ap.country      AS arrival_country,
7     f.sch_departure_time,
8     f.sch_arrival_time
9
10 FROM Flights f
11 JOIN Airline a
12     ON f.airline_id = a.airline_id
13 JOIN Airport ap
14     ON f.arriving_airport_id = ap.airport_id
15 WHERE ap.country = 'Germany';
```

Output Result 59 × Result 58

flight_id	airline_name	arrival_airport	arrival_country	sch_departure_time
1	2 Airline 2	Frankfurt Airport	Germany	2025-11-28 08:55:25.253983
2	3 Airline 3	Munich Airport	Germany	2025-12-18 21:55:25.253983
3	12 Airline 5	Frankfurt Airport	Germany	2025-12-19 06:55:25.253983
4	13 KazAir	Munich Airport	Germany	2025-12-12 17:55:25.253983

40 rows

7)

```
1 ✓  SELECT p.passenger_id,
2          p.first_name,
3          p.last_name,
4          p.date_of_birth,
5          ap.airport_name AS arrival_airport,
6          ap.city      AS arrival_city,
7          ap.country   AS arrival_country,
8          f.flight_id
9  FROM Passengers p
10     JOIN Booking b
11        ON p.passenger_id = b.passenger_id
12     JOIN Flights f
13        ON b.flight_id = f.flight_id
14     JOIN Airport ap
15        ON f.arriving_airport_id = ap.airport_id
16 WHERE p.date_of_birth > CURRENT_DATE - INTERVAL '18 years';
```

Output Result 61 × Result 60

passenger_id first_name last_name date_of_birth arrival_airport arrival_city arrival_country

0 rows

alhost > console_2 16:59 CRLF UTF-8 4 spaces

8)

```
SELECT
    p.first_name || ' ' || p.last_name AS full_name,
    p.passport_number,
    f.act_arrival_time AS arrival_time,
    ap.airport_name      AS arrival_airport,
    ap.city              AS arrival_city,
    ap.country           AS arrival_country
FROM Passengers p
JOIN Booking b
    ON p.passenger_id = b.passenger_id
JOIN Flights f
    ON b.flight_id = f.flight_id
JOIN Airport ap
    ON f.arriving_airport_id = ap.airport_id;
```

Output slabwork.public.booking Result 64 ×

full_name passport_number arrival_time arrival_airport arrival_ci

	full_name	passport_number	arrival_time	arrival_airport	arrival_ci
1	Lillian Rivera	P00000058	2025-11-26 22:01:25.253983	Nursultan Nazarbayev Airport	Astana
2	Lillian Rivera	P00000058	2025-11-26 22:01:25.253983	Nursultan Nazarbayev Airport	Astana
3	Lillian Rivera	P00000058	2025-11-26 22:01:25.253983	Nursultan Nazarbayev Airport	Astana

9)

```
console          console_2 ×
▶ ⌂ ⌂ ⌂ Tx: Auto ⌂ ⌂ Playground ⌂
1   9. Print a list of flights where the home of airline country
2
3 ✓ SELECT
4     ap.country AS origin_country,
5     f.flight_id,
6     a.airline_name
7   FROM Flights f
8   JOIN Airline a
9     ON f.airline_id = a.airline_id
10  JOIN Airport ap
11    ON f.departing_airport_id = ap.airport_id
12  WHERE a.airline_country = ap.country
13  ORDER BY ap.country, f.flight_id;
```

Output Result 67 × Result 66

	origin_country	flight_id	airline_name
1	France		56 AirEasy
2	France		126 AirEasy
3	France		196 AirEasy
4	Germany		43 Airline 1
5	Germany		64 Airline 1
6	Germany		113 Airline 1
7	Germany		134 Airline 1
8	Germany		183 Airline 1
9	Kazakhstan		12 Airline 5