1)

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



SELECT f.flight_id,
       f.sch_departure_time,
       f.sch_arrival_time,
       a.airline_name
FROM Flights f
JOIN Airline a ON f.airline_id = a.airline_id
WHERE a.airline_name = 'Airline 1';
```

Output   Result 40 ×

flight_id   sch_departure_time   sch_arrival_time   airline_name

0 rows

localhost > console_2   12:1

2)

```sql
2.   Compose a query to obtain a list of all flights with the names o

SELECT
    f.flight_id,
    f.sch_departure_time,
    a.airport_name AS departing_airport
FROM Flights f
JOIN Airport a
    ON f.departing_airport_id = a.airport_id;
```

Output   Result 42 ×

flight_id   sch_departure_time   departing_airport

0 rows

localhost > console_2

4)

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

SELECT
    p.passenger_id,
    p.first_name,
    p.last_name,
    p.gender,
    p.country_of_citizenship
FROM Booking b
JOIN Passengers p
    ON b.passenger_id = p.passenger_id
WHERE b.flight_id = 123;
```

Output   slabwork.public.passengers

passenger_id	first_name	last_name	gender	country_of_citizenship

3)

```sql
3.   Create a query that finds all airlines that have no flights schedule

SELECT a.airline_id,
       a.airline_name,
       a.airline_code,
       a.airline_country
FROM Airline a
LEFT JOIN Flights f
    ON f.airline_id = a.airline_id
    AND f.sch_departure_time >= CURRENT_DATE
    AND f.sch_departure_time <  (CURRENT_DATE + INTERVAL '1 month')
WHERE f.flight_id IS NULL;
```

Output   slabwork.public.airline

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

9 rows

5)

```
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    FROM Booking
10   GROUP BY flight_id
11   ORDER BY flight_id;
12
13
```

[42703] ОШИБКА: столбец "price" не существует
Позиция: 33

flight_id	avg_price	total_price	max_price	min_price

0 rows

6)

```
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    FROM Flights f
10   JOIN Airline a
11       ON f.airline_id = a.airline_id
12   JOIN Airport ap
13       ON f.arriving_airport_id = ap.airport_id
14   WHERE ap.country = 'Germany';
15
```

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

40 rows

7)

```sql
SELECT p.passenger_id,
       p.first_name,
       p.last_name,
       p.date_of_birth,
       ap.airport_name AS arrival_airport,
       ap.city         AS arrival_city,
       ap.country      AS arrival_country,
       f.flight_id
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
WHERE p.date_of_birth > CURRENT_DATE - INTERVAL '18 years';
```

passenger_id	first_name	last_name	date_of_birth	arrival_airport	arrival_city	arrival_country

0 rows

8)

```sql
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;
```

full_name	passport_number	arrival_time	arrival_airport	arrival_ci
1	Lillian Rivera	P000000058	2025-11-26 22:01:25.253983	Nursultan Nazarbayev Airport	Astana
2	Lillian Rivera	P000000058	2025-11-26 22:01:25.253983	Nursultan Nazarbayev Airport	Astana
3	Lillian Rivera	P000000058	2025-11-26 22:01:25..	tan Nazarbayev Airport	Astana

200 rows

9)

```sql
9.  Print a list of flights where the home of airline countr

SELECT
    ap.country AS origin_country,
    f.flight_id,
    a.airline_name
FROM Flights f
JOIN Airline a
    ON f.airline_id = a.airline_id
JOIN Airport ap
    ON f.departing_airport_id = ap.airport_id
WHERE a.airline_country = ap.country
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

30 rows ⌄

alhost > console_2