

-- 1 task

```
CREATE VIEW task1 AS SELECT * FROM flights WHERE scheduled_departure = '2023-09-08';  
SELECT * FROM task1;
```

-- 2 task

```
CREATE VIEW task2 AS SELECT b.*, f.scheduled_departure FROM booking b  
JOIN booking_flight bf ON b.booking_id = bf.booking_id  
JOIN flights f ON bf.flight_id = f.flight_id  
WHERE f.scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';  
SELECT * FROM task2;
```

--3 task

```
CREATE VIEW task3 AS  
SELECT  
    a_from.airport_name AS origin_airport,  
    a_to.airport_name AS destination_airport,  
    COUNT(*) AS total_bookings  
FROM booking_flight bf  
JOIN flights f ON bf.flight_id = f.flight_id  
JOIN airport a_from ON f.departure_airport_id = a_from.airport_id  
JOIN airport a_to ON f.arrival_airport_id = a_to.airport_id  
GROUP BY origin_airport, destination_airport  
ORDER BY total_bookings DESC  
LIMIT 5;  
SELECT * FROM task3;
```

--4 task

```
CREATE VIEW task4 AS  
SELECT *  
FROM flights  
WHERE airline_id = 1;  
SELECT * FROM task4;
```

-- 5 task

CREATE OR REPLACE VIEW task5 AS

SELECT *

FROM flights

WHERE airline_id = 1

AND scheduled_departure BETWEEN '2024-01-12' AND '2024-01-19';

SELECT * FROM task5;

-- 6 task

CREATE VIEW task6 AS

SELECT *,

(actual_departure - scheduled_departure) AS delay_days

FROM flights

WHERE actual_departure IS NOT NULL

AND DATE(actual_departure) > DATE(scheduled_departure) + 1;

SELECT * FROM task6;

-- 7 task

CREATE VIEW task7 AS

SELECT

p.first_name || ' ' || p.last_name AS full_name,

p.country_of_citizenship

FROM passengers p

JOIN booking b ON p.passenger_id = b.passenger_id

WHERE b.booking_platform = 'Leffler-Thompson';

SELECT * FROM task7;

--8 task

CREATE VIEW task8 AS

```
SELECT
    a.country,
    COUNT(*) AS total_flights
FROM flights f
JOIN airport a ON f.arrival_airport_id = a.airport_id
GROUP BY a.country
ORDER BY total_flights DESC
LIMIT 10;

SELECT * FROM task8;
```

-- 9 task

```
CREATE OR REPLACE VIEW task9 AS

SELECT
    flight_id,
    flight_no,
    scheduled_departure,
    airline_id
FROM flights
WHERE scheduled_departure = '2024-01-01';

SELECT * FROM task9;
```

--10 task;

```
DROP VIEW IF EXISTS

task1,
task2,
task3,
task4,
task5,
task6,
task7,
task8,
```

task9

CASCADE;