

-- 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;