

-- Question 1: What is the build date of the airplanes that have flown in 2014?

```
SELECT aircraft_ID,build_date
FROM tickets AS T, airplanes AS A
WHERE t.aircraft_ID = a.aircraft_registration AND YEAR(flight_date) = 2014;
```

-- Question 2: How many passengers born in the 70's that have flown to Paris?

```
SELECT COUNT(*)
FROM passengers AS P, routes AS R, tickets AS T
WHERE R.route_code = T.route_code AND T.passenger_ID = P.ID AND destination =
'Paris'
AND YEAR(birth_date) BETWEEN 1970 and 1981;
```

-- Question 3: Telephone number of the oldest passenger

```
SELECT name,telephone,birth_date
FROM passengers
WHERE birth_date = (SELECT MIN(birth_date) FROM passengers);
```

-- Question 4: How many airplanes have more than 300 seats and tickets more expensive than 1000€.

```
SELECT COUNT(distinct aircraft_registration)
FROM airplanes AS A, tickets AS T, routes AS R
WHERE T.route_code = R.route_code and T.aircraft_id = A.aircraft_registration
AND seats > 300 AND price > 1000;
```

-- Question 5: Find the tickets of all the flights to Toronto in planes build before 2010 for passengers born after 2000.

```
SELECT ticket_id
FROM tickets AS T, routes AS R, passengers AS P, airplanes AS A
WHERE T.route_code = R.route_code AND T.passenger_ID = P.ID AND T.aircraft_ID =
A.aircraft_registration
AND destination = 'Toronto' AND YEAR(build_date) < 2010 AND YEAR(birth_date) >
2000;
```

-- Question 6: Obtain all the routes that have a price lower than the average price of the route which destination is Madrid, London or Paris.

```
SELECT *
FROM routes
WHERE price < (SELECT AVG(price) FROM routes WHERE destination IN
('Madrid','London','Paris'));
```

-- Question 7: For each origin how many tickets have been sold only for the tickets more expensive than 300€

```
SELECT COUNT(ticket_ID)
FROM tickets AS T, routes AS R
WHERE T.route_code = R.route_code AND price > 300
GROUP BY origin;
```

-- Question 8: How much money has the company earned selling tickets?

```
SELECT SUM(price)
FROM tickets AS T, routes AS R
WHERE T.route_code = R.route_code;
```

-- Question 9: List the price of each tickets order by price appearing first the more expensive.

```
SELECT ticket_ID, price
FROM tickets AS T, routes AS R
WHERE T.route_code = R.route_code
ORDER BY price DESC;
```

-- Question 10: Obtain the name and telephone of the passenger that flew the route R7203 the 12/28/2005 in planes with more than 300 seats.

```
SELECT name, telephone
FROM tickets AS T, passengers AS P, airplanes AS A
WHERE T.passenger_ID = P.ID AND T.aircraft_ID = A.aircraft_registration
AND seats > 300 AND route_code = 'R7203' AND flight_date = '2005-12-28';
```