

1. If you write a SQL script in MySQL, will it necessarily run on a PostgreSQL server without modification? (2 points)

MySQL and PostgreSQL are different dialects of SQL, although some standard SQL commands can run on both servers without modification, but still some of SQL commands won't run on PostgreSQL server without modification.

2. Once you have learned how to query a MySQL database, will that knowledge translate into other SQL variants? If you wanted to then learn how to use Oracle, would you have to start from scratch? (2 points)

yes, the knowledge can translate into other SQL variants. The standard SQL commands such as "Select", "Insert", "Update", "Delete", "Create" etc. can be used across variants, and can accomplish most of what we need to do with a database. So if i want to learn how to use Oracle, I don't need to start from scratch.

3. Write an SQL command to list the tables present in the airlines database. (2 points)

show tables from airlines;

4. Write an SQL command to list all of the fields present in the planes table. (2 points)

SHOW COLUMNS FROM planes;

5. Write an SQL query to retrieve just the first row (and all the columns) of the 'flights' table. (2 points).

select * from flights limit 0,1;

6. Write an SQL query to retrieve the FAA code, name, latitude, and longitude for the first 10 airports present in the airports table. (2 points)

select faa, name, lat, lon from airports limit 0,10;

7. Write an SQL query to retrieve the 26th–40th carriers in the carriers table. (2 points)

select * from carriers limit 25,15;

8. Write an SQL query to retrieve the year, month, day, origin, destination, flight number, and carrier for the first 10 rows of the flights table. (2 points)

select year, month, day, origin, dest, flight, carrier from flights limit 0,10;

9. Expand your solution to the previous problem such that the first column is the date, formatted as year-month-day. Use an alias to name the resulting column the_date. (4 points)

select concat(year,'-',month,'-',day) as the_date, origin, dest, flight, carrier from flights limit 0,10;