**SQL ADVANCED ASSIGNMENT**

Using the dataset provided to you, write appropriate SQL queries.

| **1** | Create a View that provides the order id, order date, customer name, sales value for only WEST region |
| --- | --- |
| **2** | Create a stored procedure that takes the last day of any month as input and provides a list of all the orders placed in that month |
| **3** | Create a stored function that takes ‘sales’ and ‘profit’ as input, and returns the profit margin (= profit/sales) as output |

**Sample Interview Questions:**

1. What is Primary Key and Foreign Key?
2. What is the difference between Union and Union All?
3. What is the difference between Delete, Drop & Truncate?
4. What are different types of JOINS?
5. What is Order of Execution in SQL?
6. Explain Rank, Dense Rank, Row Number with a use case?
7. Write a query to find cumulative sum / running total of a numeric column
8. Write a query to find Nth highest value
9. Write a query to find rows of one table that do not exist in another table
10. Write a query to find duplicates present in a table

**Practice** all the free questions from: <https://datalemur.com/>