**Day2**

1) Alter Table:

* Add a new column linkedin\_profile to employees table to store LinkedIn URLs as varchar.
* Change the linkedin\_profile column data type from VARCHAR to TEXT.
* Add unique, not null constraint to linkedin\_profile
* Drop column linkedin\_profile

2) Querying (Select)

* Retrieve the first name, last name, and title of all employees
* Find all unique unit prices of products
* List all customers sorted by company name in ascending order
* Display product name and unit price, but rename the unit\_price column as price\_in\_usd

3) Filtering

* Get all customers from Germany.
* Find all customers from France or Spain
* Retrieve all orders placed in 1997 (based on order\_date), and either have freight greater than 50 or the shipped date available (i.e., non-NULL) (Hint: EXTRACT(YEAR FROM order\_date))

4) Filtering

* Retrieve the product\_id, product\_name, and unit\_price of products where the unit\_price is greater than 15.
* List all employees who are located in the USA and have the title "Sales Representative".
* Retrieve all products that are not discontinued and priced greater than 30.

5) LIMIT/FETCH

* Retrieve the first 10 orders from the orders table.
* Retrieve orders starting from the 11th order, fetching 10 rows (i.e., fetch rows 11-20).

6) Filtering (IN, BETWEEN)

* List all customers who are either Sales Representative, Owner
* Retrieve orders placed between January 1, 2013, and December 31, 2013.

7) Filtering

* List all products whose category\_id is not 1, 2, or 3.
* Find customers whose company name starts with "A".

8) INSERT into orders table:

Task: Add a new order to the orders table with the following details:

Order ID: 11078

Customer ID: ALFKI

Employee ID: 5

Order Date: 2025-04-23

Required Date: 2025-04-30

Shipped Date: 2025-04-25

shipperID:2

Freight: 45.50

9) Increase(Update) the unit price of all products in category\_id =2 by 10%.

(HINT: unit\_price =unit\_price \* 1.10)

10) Sample Northwind database:

Download

1. Download northwind.sql from below link into your local. Sign in to Git first <https://github.com/pthom/northwind_psql>
2. Manually Create the database using pgAdmin:
   1. Right-click on "Databases" → Create → Database
   2. Give name as ‘northwind’ (all small letters)
   3. Click ‘Save’

Import database:

1. Open pgAdmin and connect to your server
2. Select the database ‘northwind’
3. Right Click-> Query tool.
4. Click the folder icon to open your northwind.sql file
5. Press F5 or click the Execute button.
6. You will see total 14 tables loaded
7. Databases → your database → Schemas → public → Tables