--DAY 2 ASSIGNMENT

-- 1. Alter table, add column, change data type, delete column

ALTER TABLE Employees

ADD COLUMN Linkedin\_profile VARCHAR(30);

ALTER TABLE Employees

ALTER COLUMN Linkedin\_profile

SET DATA TYPE TEXT;

ALTER TABLE Employees

ALTER COLUMN Linkedin\_profile

SET NOT NULL;

ALTER TABLE Employees

DROP COLUMN Linkedin\_profile;

--2. Querying

SELECT EmployeeName,

--split\_part(EmployeeName,' ' ,1)AS FirstName,

--split\_part(EmployeeName, ' ', 2) AS LastName,

Title

FROM Employees;

SELECT DISTINCT UnitPrice

FROM Products;

SELECT \*

FROM Customers

ORDER BY CompanyName;

SELECT ProductName, UnitPrice

FROM Products;

ALTER TABLE Products

RENAME UnitPrice to Price\_in\_usd;

SELECT \* FROM Products;

--3. Filtering

SELECT \* FROM Customers

WHERE Country = 'Germany';

SELECT \* FROM Customers

WHERE Country = 'France' or Country= 'Spain';

SELECT \*

FROM(

SELECT \*, EXTRACT (YEAR FROM OrderDate)AS Order\_year

FROM Orders)

WHERE Order\_year = 2014 AND

(FREIGHT > 50 OR ShippedDate IS NOT NULL);

--4. Filtering

SELECT ProductID, ProductName, Price\_in\_usd

FROM Products

WHERE Price\_in\_usd> 15;

SELECT EmployeeName

FROM Employees

WHERE Country = 'USA' AND Title = 'Sales Representative';

SELECT \*

FROM Products

WHERE Price\_in\_usd >30 AND Discontinued = 0;

--5. Limit/Fetch

SELECT \* FROM Orders

ORDER BY OrderDate

LIMIT 10;

SELECT \* FROM Orders

ORDER BY OrderDate

OFFSET 10 ROWS

FETCH NEXT 10 ROWS ONLY;

--6. Filtering (IN/BETWEEN)

SELECT CustomerID, CompanyName, ContactName

FROM Customers

WHERE ContactTitle IN ('Sales Representative', 'Owner');

SELECT OrderID, CustomerID, ShipperID, OrderDate

FROM Orders

WHERE OrderDate BETWEEN '01-01-2013' AND '12-31-2013';

--7. Filtering

SELECT ProductID, ProductName

FROM Products

WHERE CategoryID NOT IN (1,2,3);

SELECT CustomerID, Country, CompanyName

FROM Customers

WHERE CompanyName LIKE 'A%';

--8. Insert into Orders table

SELECT \* FROM Orders

INSERT INTO Orders(

OrderID, CustomerID, EmployeeID, OrderDate, RequiredDate, ShippedDate, ShipperID, Freight)

VALUES(

11078, 'ALFKI', 5, '2025-04-23', '2025-04-30', '2025-04-25', 2, 45.50);

SELECT \* FROM Orders

WHERE OrderID = 11078

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

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

SELECT \* FROM Products

UPDATE Products

SET Price\_in\_usd = Price\_in\_usd \* 1.10

WHERE CategoryID = 2;

SELECT \* FROM Products

WHERE CategoryID = 2;