select \* from employee;  
/\* 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  
\*/  
alter table employee  
add column linkedin\_profile varchar;alter table employee  
alter column linkedin\_profile type text;update-- to check the type of the column  
select column\_name, data\_type  
from information\_schema.columns  
where table\_name = 'employee';UPDATE employee  
SET linkedin\_profile = '<https://linkedin.com/in/>' || employeename  
WHERE linkedin\_profile IS NULL;alter table employee  
alter column linkedin\_profile set not null;ALTER TABLE employee  
ADD CONSTRAINT linkedin\_profile\_unique UNIQUE (linkedin\_profile);ALTER TABLE employee  
drop column linkedin\_profile;/\*Retrieve the employee 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  
\*/  
select employeename, title from employee;  
select distinct unitprice from products;  
select contactname from customers order by companyname asc;  
select productname, unitprice as price\_in\_usd from products;/\*q3.      Filtering  
Get all customers from Germany.  
Find all customers from France or Spain  
Retrieve all orders placed in 2014(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))  
\*/  
select customerid from customers where country='Germany';  
select customerid from customers where country in ('France', 'Spain');  
select \* from orders where EXTRACT(YEAR FROM orderdate) =2014 and ( freight >50 or shippeddate is not null);/\*q4.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.  
\*/  
select productid, productname, unitprice from products where unitprice >15;  
select employeename from employee where country='USA' and title ='Sales Representative';  
select productname from products where discontinued = false and unitprice >30;/\*q5. 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).  
\*/  
select \* from orders limit 10;  
select \* from orders offset 10 limit 10;/\*q6.  Filtering (IN, BETWEEN)  
List all customers who are either Sales Representative, Owner  
Retrieve orders placed between January 1, 2013, and December 31, 2013.  
\*/  
select \* from customers where contacttitle in('Sales Representative', 'Owner');  
Select \* from orders where orderdate between '1/1/2013' and '12/31/2013';/\*q7. Filtering  
List all products whose category\_id is not 1, 2, or 3.  
Find customers whose company name starts with "A".  
\*/  
select \* from products where categoryid not in (1,2,3);  
select \* from customers where companyname like 'A%';/\* q8)       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  
\*/  
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);/\* q9. Increase(Update)  the unit price of all products in category\_id =2 by 10%.  
(HINT: unit\_price =unit\_price \* 1.10)\*/  
UPDATE products SET unitprice = unitprice \* 1.10  
WHERE categoryid = 2;ALbootcampDAY2