Day 2- SQL-Gomathi Raja

--1.Alter Table

--Add a new column linkedin\_profile to employees table to store LinkedIn URLs as varchar.

alter table employees

add column linkedin\_profile varchar(50);

output: I Already ran the query.

A black and blue text

AI-generated content may be incorrect.

--Change the linkedin\_profile column data type from VARCHAR to TEXT.

alter table employees

alter column linkedin\_profile type text;

Output:

A screen shot of a computer

AI-generated content may be incorrect.

--Add unique, not null constraint to linkedin\_profile

alter table employees

alter column linkedin\_profile set not null;

output:



alter table employees

ADD CONSTRAINT unique\_linkedin\_profile UNIQUE (linkedin\_profile);



Drop column linkedin\_profile

alter table employees

drop column linkedin\_profile;

0utput

A black text on a white background

AI-generated content may be incorrect.

---2.Querying (Select)

--Retrieve the first name, last name, and title of all employees

select employeename, title from employees;

output:

A screenshot of a computer

AI-generated content may be incorrect.

--Find all unique unit prices of products

select distinct unitprice from products;

output:

A screenshot of a computer

AI-generated content may be incorrect.

--List all customers sorted by company name in ascending order

select \* from customers

order by companyname asc;

Output:

A screenshot of a computer

AI-generated content may be incorrect.

--Display product name and unit price, but rename the unit\_price column as price\_in\_usd

SELECT productname, unitprice AS price\_in\_usd

FROM products;

Output:

A screenshot of a computer

AI-generated content may be incorrect.

----3.Filtering

--Get all customers from Germany.

select customerid from customers

where country='Germany';

output:

A screenshot of a computer

AI-generated content may be incorrect.

--Find all customers from France or Spain

select customerid from customers

where country='France'or country='Spain';

output:

A screenshot of a computer

AI-generated content may be incorrect.

--Retrieve all orders placed in 2017 (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 orderID from orders

where extract(year from orderDate)=2014

and (freight>50 or shippedDate is not null);

output:

A screenshot of a computer

AI-generated content may be incorrect.

--4.Filtering

--Retrieve the product\_id, product\_name, and unit\_price of products where the unit\_price is greater than 15.

select productid, productname,unitprice

from products

where unitprice>50;

output:

A screenshot of a computer

AI-generated content may be incorrect.

--List all employees who are located in the USA and have the title "Sales Representative".

select employeeID,employeeName

from employees

where country='USA' and title='Sales Representative';

output:

A screenshot of a computer

AI-generated content may be incorrect.

--Retrieve all products that are not discontinued and priced greater than 30.

select productID,productName

from products

where discontinued=false and unitPrice<30;

output:

A screenshot of a computer

AI-generated content may be incorrect.

--5.LIMIT/FETCH

-- Retrieve the first 10 orders from the orders table.

select \* from orders

limit 10;

output:

A screenshot of a calendar

AI-generated content may be incorrect.

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

select \* from orders

offset 10

limit 10;

output:

A screenshot of a computer

AI-generated content may be incorrect.

--6.Filtering (IN, BETWEEN)

--List all customers who are either Sales Representative, Owner

select customerid,contactname

from customers

where contacttitle in('Sales Representative','Owner');

output:

A screenshot of a computer

AI-generated content may be incorrect.

--Retrieve orders placed between January 1, 2013, and December 31, 2013.

select orderID

from orders

where orderDate between '2013-01-01' and '2013-12-31';

output:

A screenshot of a computer

AI-generated content may be incorrect.

--7. Filtering

--List all products whose category\_id is not 1, 2, or 3.

select productName

from products

where categoryID not in(1,2,3);

output:

A screenshot of a computer

AI-generated content may be incorrect.

--Find customers whose company name starts with "A".

select customerid,contactname

from customers

where contactname like 'A%';

output:

A screenshot of a computer

AI-generated content may be incorrect.

--8. INSERT into orders table:

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);

output: I already ran it.



--9.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;

output:

A black and white text

AI-generated content may be incorrect.

10. 10) Sample Northwind database:

Output:

A close-up of a logo

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.