-- 1. Find the number of persons in each country.

Select Country\_name,count(\*) As Number\_of\_persons from persons group by Country\_name;



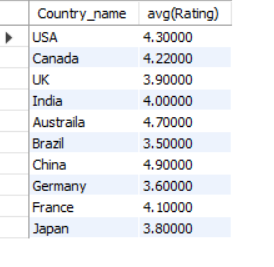
-- 2. Find the number of persons in each country sorted from high to low.

Select Country\_name,count(\*) As Number\_of\_persons from persons group by Country\_name order by Number\_of\_persons desc ;



-- 3. Find out an average rating for Persons in respective countries if the average is greater than 3.0

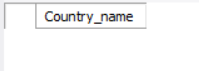
select Country\_name,avg(Rating) from persons group by Country\_name having avg(Rating) >3.0;



-- 4. Find the countries with the same rating as the USA. (Use Subqueries)

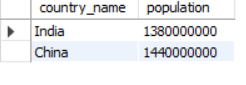
select avg(Rating) from persons where Country\_name='USA';

select Country\_name from persons where Rating=(select avg(Rating) from persons where Country\_name='USA');



-- 5. Select all countries whose population is greater than the average population of all nations.

select country\_name,population from country where population>(select avg(population) from country);



—----------------------------------------------------------------------------------------------------------------------------CREATE DATABASE Product;

USE Product;

CREATE TABLE Customer (

Customer\_Id INT PRIMARY KEY,

First\_name VARCHAR(50),

Last\_name VARCHAR(50),

Email VARCHAR(100),

Phone\_no VARCHAR(15),

Address VARCHAR(100),

City VARCHAR(50),

State VARCHAR(50),

Zip\_code VARCHAR(10),

Country VARCHAR(50)

);

select \* from customer;



/\*1. Create a view named customer\_info for the Customer table that displays Customer’s Full name and email address.

Then perform the SELECT operation for the customer\_info view. \*/

create view customer\_info as select concat(First\_name,' ',Last\_name) as Full\_Name,Email from Customer;

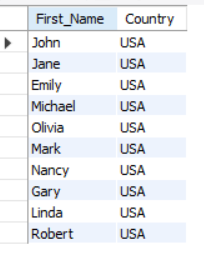
select \* from customer\_info;



-- 2. Create a view named US\_Customers that displays customers located in the US.

create view US\_Customers as select First\_Name,Country from Customer where Country='USA';

select \* from US\_Customers;



-- 3. Create another view named Customer\_details with columns full name(Combine first\_name and last\_name), email, phone\_no, and state.

create view Customer\_Details as select concat(First\_name,' ',Last\_name) as Full\_Name,Email,Phone\_no,State from Customer;

select \* from Customer\_Details;



-- 4. Update phone numbers of customers who live in California for Customer\_details view.

update Customer\_Details set Phone\_no = '123-456-1111' where State='California';

-- 5. Count the number of customers in each state and show only states with more than 5 customers

INSERT INTO Customer (Customer\_Id, First\_name, Last\_name, Email, Phone\_no, Address, City, State, Zip\_code, Country) VALUES

(16, 'Mark', 'Spencer', 'mark.spencer@example.com', '321-654-9870', '22 Palm Dr', 'San Francisco', 'California', '94101', 'USA'),

(17, 'Nancy', 'Adams', 'nancy.adams@example.com', '654-321-7890', '789 Orange St', 'Sacramento', 'California', '94203', 'USA'),

(18, 'Gary', 'Miller', 'gary.miller@example.com', '123-654-7890', '456 Blue Ln', 'San Diego', 'California', '92101', 'USA'),

(19, 'Linda', 'White', 'linda.white@example.com', '987-321-6540', '303 Vine Ave', 'Fresno', 'California', '93701', 'USA'),

(20, 'Robert', 'King', 'robert.king@example.com', '741-852-9630', '401 Redwood Blvd', 'Beverly Hills', 'California', '90210', 'USA');

select \* from Customer;

select state,count(\*) as No\_of\_customers from customer group by state having count(\*)>5;



-- 6. Write a query that will return the number of customers in each state, based on the "state" column in the "customer\_details" view.

drop view customer\_details;

select state,count(\*) as No\_of\_Customers from customer\_details group by state;



-- 7. Write a query that returns all the columns from the "customer\_details" view, sorted by the "state" column in ascending order.

select \* from customer\_details order by state asc;

