

Consider the Country table and Persons table that you created earlier and perform the following:

1. Find the number of persons in each country.

```
7 • SELECT Country_name, COUNT(*) AS NumberOfPersons
8 FROM Persons_1
9 GROUP BY Country_name;
10
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Country_name	NumberOfPersons		
USA	2		
India	1		
Canada	2		
UK	1		
Australia	2		
Germany	1		
France	1		
Italy	1		
Brazil	1		

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

```
11 • SELECT Country_name, COUNT(*) AS NumberOfPersons
12 FROM Persons_1
13 GROUP BY Country_name
14 ORDER BY NumberOfPersons DESC;
15
16
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	Country_name	NumberOfPersons
▶	USA	2
	Canada	2
	Australia	2
	India	1
	UK	1
	Germany	1
	France	1
	Italy	1
	Brazil	1

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

```
15
16 • SELECT Country_name, AVG(Rating) AS AverageRating
17 FROM Persons_1
18 GROUP BY Country_name
19 HAVING AVG(Rating) > 3.0;
20
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	Country_name	AverageRating			
▶	USA	4.65000			
	India	4.20000			
	Canada	3.85000			
	UK	4.70000			
	Australia	4.10000			
	Germany	4.10000			
	France	3.70000			
	Italy	4.00000			
	Brazil	4.60000			

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

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

```
33
34 • SELECT Country_name
35     FROM Country_1
36     WHERE Population > (
37         SELECT AVG(Population)
38         FROM Country_1
39     );
```

Result Grid | Filter Rows: Export:

	Country_name
▶	USA
	India

Create a database named Product and create a table called Customer with the following fields in the Product database: Customer_Id - Make PRIMARY KEY First_name Last_name Email Phone_no Address City State Zip_code Country

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.

```

78 • CREATE VIEW customer_info AS
79     SELECT CONCAT(First_name, ' ', Last_name) AS Full_Name, Email
80     FROM Customer;
81
82
83 • SELECT * FROM customer_info;
84

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Full_Name	Email		
▶	Ashly Johnson	ashly.johnson@example.com		
	Jibin Jpy	jibin.jpy@example.com		
	Goshal Jay	goshal.jay@example.com		
	Richu Zach	richu.zach@example.com		
	Mebin Joby	mebin.joby@example.com		
	Jonhy John	jonhy.john@example.com		
	Gopika Anil	gopika.anil@example.com		
	George Mamen	george.mamen@example.com		
	Justin Jose	justin.jose@example.com		
	Mariya Sam	mariya.sam@example.com		

2. Create a view named US_Customers that displays customers located in the US.

```

85 • CREATE VIEW US_Customers AS
86     SELECT *
87     FROM Customer
88     WHERE Country = 'USA';
89
90 • SELECT*FROM us_Customers;

```

Result Grid

Filter Rows:

Export:




Wrap Cell Content:

IA

	Customer_Id	First_name	Last_name	Email	Phone_no	Address	City	State	Zip_code	Country
▶	1	Ashly	Johnson	ashly.johnson@example.com	123-456-7890	123 Elm Street	New York	New York	10001	USA
	2	Jibin	Jpy	jibin.jpy@example.com	987-654-3210	456 Maple Avenue	San Francisco	California	94101	USA
	3	Goshal	Jay	goshal.jay@example.com	345-678-9012	789 Pine Road	Austin	Texas	73301	USA
	4	Richu	Zach	richu.zach@example.com	210-543-0987	101 Oak Lane	Chicago	Illinois	60601	USA
	5	Mebin	Joby	mebin.joby@example.com	567-890-1234	202 Birch Street	Los Angeles	California	90001	USA

3. Create another view named Customer_details with columns full name(Combine first_name and last_name), email, phone_no, and state.

```
92 • CREATE VIEW Customer_details AS
93 SELECT
94     CONCAT(First_name, ' ', Last_name) AS Full_Name,
95     Email,
96     Phone_no,
97     State
98 FROM Customer;
99
100 • SELECT * FROM Customer_details;
```

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 				
	Full_Name	Email	Phone_no	State
▶	Ashly Johnson	ashly.johnson@example.com	123-456-7890	New York
	Jibin Jpy	jibin.jpy@example.com	987-654-3210	California
	Goshal Jay	goshal.jay@example.com	345-678-9012	Texas
	Richu Zach	richu.zach@example.com	210-543-0987	Illinois
	Mebin Joby	mebin.joby@example.com	567-890-1234	California
	Jonhy John	jonhy.john@example.com	876-543-2109	Kerala
	Gopika Anil	gopika.anil@example.com	456-789-0123	Maharashtra
	George Mamen	george.mamen@example.com	654-321-0987	Karnataka
	Justin Jose	justin.jose@example.com	789-012-3456	Delhi
	Mariya Sam	mariya.sam@example.com	321-098-7654	Maharashtra

4. Update phone numbers of customers who live in California for Customer_details view. 5. Count the number of customers in each state and show only states with more than 5 customers.

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

```
111 • SELECT State, COUNT(*) AS Number_of_Customers
112     FROM Customer_details
113     GROUP BY State;
114
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
State	Number_of_Customers			
New York	1			
California	2			
Texas	1			
Illinois	1			
Kerala	1			
Maharashtra	2			
Karnataka	1			
Delhi	1			

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

```
115 • SELECT *
116     FROM Customer_details
117     ORDER BY State ASC;
118
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
Full_Name	Email	Phone_no	State	
Jibin Jpy	jibin.jpy@example.com	987-654-3210	California	
Mebin Joby	mebin.joby@example.com	567-890-1234	California	
Justin Jose	justin.jose@example.com	789-012-3456	Delhi	
Richu Zach	richu.zach@example.com	210-543-0987	Illinois	
George Mamen	george.mamen@example.com	654-321-0987	Karnataka	
Jonhy John	jonhy.john@example.com	876-543-2109	Kerala	
Gopika Anil	gopika.anil@example.com	456-789-0123	Maharashtra	
Mariya Sam	mariya.sam@example.com	321-098-7654	Maharashtra	
Ashly Johnson	ashly.johnson@example.com	123-456-7890	New York	
Goshal Jay	goshal.jay@example.com	345-678-9012	Texas	