

1. Find the number of persons in each country.

```
4  -- Q1
5  •  SELECT country_name,count(*) from persons group by country_name;
```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

country_name	count(*)
USA	3
Canada	4
UK	4
Australia	1
India	2
China	2
Japan	1
Brazil	1
Germany	1
France	1

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

```
7  -- Q2
8  •  SELECT country_name,count(*) from persons group by country_name order by count(*) desc;
```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

country_name	count(*)
Canada	4
UK	4
USA	3
India	2
China	2
Australia	1
Japan	1
Brazil	1
Germany	1
France	1

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

```
10  -- Q3
11  •  SELECT country_name,avg(rating) from persons group by country_name having avg(rating) > 3.0;
```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

country_name	avg(rating)
USA	4.366667
Canada	4.350000
UK	3.950000
Australia	4.200000
India	4.100000
China	3.950000
Japan	4.300000
Brazil	4.900000
Germany	3.700000
France	3.600000

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

```

13 -- Q4
14 • SELECT country_name from persons where rating = (SELECT avg(rating) from persons where country_name = 'USA');

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

country_name
USA

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

```

41 • select * from customer;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Customer_Id	First_name	Last_name	Email	Phone_no	Address	City	State	Zip_code	Country
1	John	Doe	john.doe@example.com	1234567890	123 Elm St	Los Angeles	California	90001	US
2	Jane	Smith	jane.smith@example.com	0987654321	456 Oak St	New York	New York	10001	US
3	Bob	Brown	bob.brown@example.com	5555555555	789 Pine St	Austin	Texas	73301	US
4	Alice	Johnson	alice.johnson@example.com	6666666666	321 Maple St	Seattle	Washington	98101	US
5	Eve	Davis	eve.davis@example.com	7777777777	654 Cedar St	Sacramento	California	94203	US
6	Charlie	Wilson	charlie.wilson@example.com	8888888888	987 Birch St	Miami	Florida	33101	US
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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.

```

42 -- Q5 1
43 • CREATE VIEW customer_info AS
44 SELECT CONCAT(First_name, ' ', Last_name) AS Full_name, Email
45 FROM Customer;
46 • SELECT * FROM customer_info;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Full_name	Email
John Doe	john.doe@example.com
Jane Smith	jane.smith@example.com
Bob Brown	bob.brown@example.com
Alice Johnson	alice.johnson@example.com
Eve Davis	eve.davis@example.com
Charlie Wilson	charlie.wilson@example.com

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

49 • CREATE VIEW us_customers AS
50 SELECT *
51 FROM Customer
52 WHERE country = 'US';
53 • SELECT * FROM us_customers;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Customer_Id	First_name	Last_name	Email	Phone_no	Address	City	State	Zip_code	Country
▶	1	John	Doe	john.doe@example.com	1234567890	123 Elm St	Los Angeles	California	90001	US
	2	Jane	Smith	jane.smith@example.com	0987654321	456 Oak St	New York	New York	10001	US
	3	Bob	Brown	bob.brown@example.com	5555555555	789 Pine St	Austin	Texas	73301	US
	4	Alice	Johnson	alice.johnson@example.com	6666666666	321 Maple St	Seattle	Washington	98101	US
	5	Eve	Davis	eve.davis@example.com	7777777777	654 Cedar St	Sacramento	California	94203	US
	6	Charlie	Wilson	charlie.wilson@example.com	8888888888	987 Birch St	Miami	Florida	33101	US

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

```
55 -- Q5 3
56 • CREATE VIEW Customer_details AS
57 SELECT CONCAT(first_name, ' ', last_name), email, phone_no, state
58 FROM customer;
59 • SELECT * FROM Customer_details ;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CONCAT(first_name, ' ', last_name)	email	phone_no	state
John Doe	john.doe@example.com	1234567890	California
Jane Smith	jane.smith@example.com	0987654321	New York
Bob Brown	bob.brown@example.com	5555555555	Texas
Alice Johnson	alice.johnson@example.com	6666666666	Washington
Eve Davis	eve.davis@example.com	7777777777	California
Charlie Wilson	charlie.wilson@example.com	8888888888	Florida

4. Update phone numbers of customers who live in California for Customer_details view.-

```
62 • UPDATE Customer_details
63 SET Phone_no = 1245789856
64 WHERE State = 'California';
```

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

```

67      -- Q5 5
68 •    SELECT State, COUNT(*) AS customer_count
69      FROM Customer
70      GROUP BY State
71      HAVING customer_count > 1;

```

Result Grid | Filter Rows: | Export:

	State	customer_count
▶	California	2

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

```

73      -- Q6
74 •    SELECT State, COUNT(*) AS customer_count
75      FROM Customer_details
76      GROUP BY State;
77

```

Result Grid | Filter Rows: | Export: | Wrap Cell C

	state	customer_count
▶	California	2
	New York	1
	Texas	1
	Washington	1
	Florida	1

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

```

78      -- Q7
79      • SELECT *
80      FROM Customer_details
81      ORDER BY State ASC;
82

```

Result Grid				
Filter Rows:		Export:		
Wrap Cell Content:				
	CONCAT(first_name,' 'last_name)	email	phone_no	state
▶	John Doe	john.doe@example.com	1245789856	California
	Eve Davis	eve.davis@example.com	1245789856	California
	Charlie Wilson	charlie.wilson@example.com	8888888888	Florida
	Jane Smith	jane.smith@example.com	0987654321	New York
	Bob Brown	bob.brown@example.com	5555555555	Texas
	Alice Johnson	alice.johnson@example.com	6666666666	Washingt

Texas