

Tasks and Results

```
2 -- Find the number of persons in each country
3
4 • select country_name, count(*) as total_persons from persons group by Country_name;
5
6
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
country_name	total_persons		
India	2		
USA	2		
China	1		
Japan	1		
Germany	1		
UK	1		
France	1		
Italy	1		
Canada	1		
Australia	1		

```
6 -- Find the number of persons in each country sorted from high to low
7 • select country_name, count(*) as total_persons from persons group by Country_name order by total_persons desc;
8
9
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
country_name	total_persons		
India	2		
USA	2		
China	1		
Japan	1		
Germany	1		
UK	1		
France	1		
Italy	1		
Canada	1		
Australia	1		

```
9 -- Find out an average rating for Persons in respective countries if the average is greater than 3.0
10 • select country_name, avg(rating) as Average_rating from persons group by Country_name having avg(Rating)>'3.0' order by average_rating;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
country_name	Average_rating		
UK	4.000000		
France	4.000000		
Italy	4.000000		
Canada	4.000000		
Australia	4.000000		
India	5.000000		
USA	5.000000		
China	5.000000		
Japan	5.000000		
Germany	5.000000		

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```
12 -- Find the countries with the same rating as the USA. (Use Subqueries)
13
14 • select Country_name, avg(rating) as average_rating from Persons group by Country_name having avg(rating)=(select avg(rating) from persons where Country_name ='USA');
```

Country_name	average_rating
India	5.000000
USA	5.000000
China	5.000000
Japan	5.000000
Germany	5.000000

```
15
16 -- Select all countries whose population is greater than the average population of all nations
17
18 • select country_name,population from country where Population >(select avg(Population)from country);
```

country_name	population
India	1380004385
China	1439323776

```
--
53 • create view customer_info as
54 select CONCAT(First_name, ' ', Last_name) as Full_name, Email from Customer;
55 select * from Customer_info;
```

Full_name	Email
Alice Johnson	alice.johnson@example.com
Bob Smith	bob.smith@example.com
Charlie Brown	charlie.brown@example.com
David Wilson	david.wilson@example.com
Eve Davis	eve.davis@example.com
Frank Miller	frank.miller@example.com
Grace Lee	grace.lee@example.com
Henry Walker	henry.walker@example.com
Ivy Harris	ivy.harris@example.com
Jack Young	jack.young@example.com

```
56
57 -- Create a view named US_Customers that displays customers located in the US.
58 • create view US_Customers as select * from Customer where Country = 'USA';
59 • select * from US_Customers;
```

Customer_id	First_name	Last_name	Email	Phone_no	Address	City	State	Zip_code	Country
1	Alice	Johnson	alice.johnson@example.com	1234567890	123 Elm St	Springfield	California	62701	USA
2	Bob	Smith	bob.smith@example.com	7654321	456 Oak St	Springfield	Alaska	62702	USA
3	Charlie	Brown	charlie.brown@example.com	2334455	789 Pine St	Springfield	California	62703	USA
4	David	Wilson	david.wilson@example.com	2233445566	321 Birch St	Springfield	Florida	62704	USA
5	Eve	Davis	eve.davis@example.com	3344556677	654 Cedar St	Springfield	Colorado	62705	USA
6	Frank	Miller	frank.miller@example.com	4455667788	987 Maple St	Springfield	California	62706	USA
7	Grace	Lee	grace.lee@example.com	5566778899	135 Ash St	Springfield	Alaska	62707	USA
8	Henry	Walker	henry.walker@example.com	6677889900	246 Birch St	Springfield	Florida	62708	USA
9	Ivy	Harris	ivy.harris@example.com	7788990011	357 Oak St	Springfield	Colorado	62709	USA
10	Jack	Young	jack.young@example.com	8899001122	468 Pine St	Springfield	California	62710	USA

US_Customers 17 x

Tasks and Results

```
63 • create view Customer_details as select CONCAT(First_name, ' ', Last_name) as Full_name,Email,Phone_no,State from Customer;
64 • select * from Customer_details;
```

Full_name	Email	Phone_no	State
Alice Johnson	alice.johnson@example.com	1234567890	California
Bob Smith	bob.smith@example.com	0987654321	Alaska
Charlie Brown	charlie.brown@example.com	1122334455	California
David Wilson	david.wilson@example.com	223344 1122334455	
Eve Davis	eve.davis@example.com	3344556677	Colorado
Frank Miller	frank.miller@example.com	4455667788	California
Grace Lee	grace.lee@example.com	5566778899	Alaska
Henry Walker	henry.walker@example.com	6677889900	Florida
Ivy Harris	ivy.harris@example.com	7788990011	Colorado
Jack Young	jack.young@example.com	8899001122	California

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

```
72
```

```
73 • select State, COUNT(*) as number_of_customers from Customer group by State having COUNT(*) > 5;
```

State	number_of_customers
California	4
Alaska	2
Florida	2
Colorado	2

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

```
77 • select State, COUNT(*) as number_of_customers from customer_details group by state;
```

State	number_of_customers
California	4
Alaska	2
Florida	2
Colorado	2

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

```
80
```

```
81 • select * from Customer_details order by State ASC;
```

Full_name	Email	Phone_no	State
Bob Smith	bob.smith@example.com	0987654321	Alaska
Grace Lee	grace.lee@example.com	5566778899	Alaska
Alice Johnson	alice.johnson@example.com	2351469875	California
Charlie Brown	charlie.brown@example.com	2351469875	California
Frank Miller	frank.miller@example.com	2351469875	California
Jack Young	jack.young@example.com	2351469875	California
Eve Davis	eve.davis@example.com	3344556677	Colorado
Ivy Harris	ivy.harris@example.com	7788990011	Colorado
David Wilson	david.wilson@example.com	2233445566	Florida
Henry Walker	henry.walker@example.com	6677889900	Florida