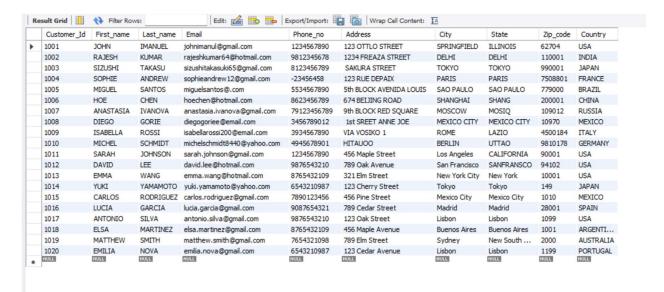
TASK - 6

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 DATABASE product;
 2 •
       USE product;
 3
 4 • ⊝ CREATE TABLE customer (
 5
           Customer Id INT PRIMARY KEY,
           First name VARCHAR(50),
 6
 7
           Last_name VARCHAR(50),
 8
           Email VARCHAR(70),
9
           Phone no BIGINT,
           Address VARCHAR(100),
10
           City VARCHAR(50),
11
           State VARCHAR(50),
12
13
           Zip code BIGINT,
           Country VARCHAR(70));
14
```

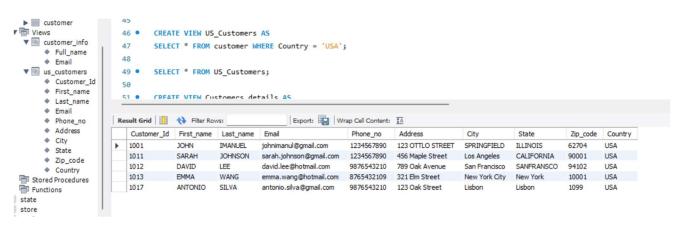
```
INSERT INTO customer VALUES
17
       (1001, "JOHN", "IMANUEL", "johnimanul@gmail.com", 1234567890, "123 OTTLO STREET", "SPRINGFIELD", "ILLINOIS", 62704, "USA"),
       (1002, "RAJESH", "KUMAR", "rajeshkumar64@hotmail.com", 9812345678, "1234 FREAZA STREET", "DELHI", "DELHI", 110001, "INDIA"),
18
       (1003, "SIZUSHI", "TAKASU", "sizushitakasuki65@gmail.com", 8123456789, " SAKURA STREET", "TOKYO", "TOKYO", 990001, "JAPAN"),
19
       (1004, "SOPHIE", "ANDREW", "sophieandrew12@gmail.com", 331-23456789, "123 RUE DEPAIX", "PARIS", "PARIS", 7508801, "FRANCE"),
20
       (1005, "MIGUEL", "SANTOS", "miguelsantos@.com", 5534567890, "5th BLOCK AVENIDA LOUIS", "SAO PAULO", "SAO PAULO", 779000, "BRAZIL"),
       (1006, "HOE", "CHEN", "hoechen@hotmail.com", 8623456789, "674 BEIJING ROAD", "SHANGHAI", "SHANG", 200001, "CHINA"),
22
       (1007, "ANASTASIA", "IVANOVA", "anastasia.ivanova@gmail.com", 79123456789, "9th BLOCK RED SQUARE", "MOSCOW", "MOSIQ", 109012, "RUSSIA"),
       (1008, "DIEGO", "GORIE", "diegogoriee@email.com", 3456789012, " 1st SREET ANNE JOE", "MEXICO CITY", "MEXICO CITY", 010970, "MEXICO"),
       (1009, "ISABELLA", "ROSSI", "isabellarossi200@email.com", 3934567890, "VIA VOSIKO 1", "ROME", "LAZIO", 4500184, "ITALY"),
       (1010, "MICHEL", "SCHMIDT", "michelschmidt8440@yahoo.com", 4945678901, "HITAU00", "BERLIN", "UTTAO", 9810178, "GERMANY"),
26
       (1011, "SARAH", "JOHNSON", "sarah.johnson@gmail.com", 1234567890, "456 Maple Street", "Los Angeles", "CALIFORNIA", 90001, "USA"),
       (1012, "DAVID", "LEE", "david.lee@hotmail.com", 9876543210, "789 Oak Avenue", "San Francisco", "SANFRANSCO", 94102, "USA"),
       (1013, "EMPMA", "WANG", "emma.wang@hotmail.com", 8765432109, "321 Elm Street", "New York City", "New York", 10001, "USA"),
30
       (1014, "YUKI", "YAMAMOTO", "yuki.yamamoto@yahoo.com", 6543210987, "123 Cherry Street", "Tokyo", "Tokyo", 150-0001, "JAPAN"),
       (1015, "CARLOS", "RODRIGUEZ", "carlos.rodriguez@gmail.com", 7890123456, "456 Pine Street", "Mexico City", "Mexico City", 01010, "MEXICO"),
31
       (1016, "LUCIA", "GARCIA", "lucia.garcia@gmail.com", 9087654321, "789 Cedar Street", "Madrid", "Madrid", 28001, "SPAIN"),
       (1017, "ANTONIO", "SILVA", "antonio.silva@gmail.com", 9876543210, "123 Oak Street", "Lisbon", "Lisbon", 1100-001, "USA"),
33
       (1018, "ELSA", "MARTINEZ", "elsa.martinez@gmail.com", 8765432109, "456 Maple Avenue", "Buenos Aires", "Buenos Aires", 1001, "ARGENTINA"),
       (1019, "MATTHEW", "SMITH", "matthew.smith@gmail.com", 7654321098, "789 Elm Street", "Sydney", "New South Wales", 2000, "AUSTRALIA"),
35
       (1020, "EMILIA", "NOVA", "emilia.nova@gmail.com", 6543210987, "123 Cedar Avenue", "Lisbon", "Lisbon", 1200-001, "PORTUGAL");
37
38 • SELECT * FROM customer;
```



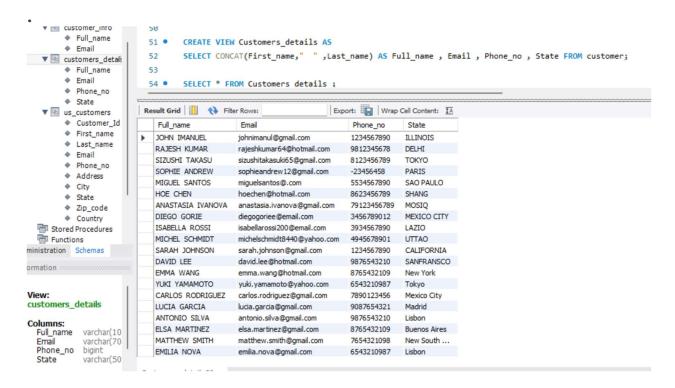
1. Create a view named customer_info for the Customer table that displays Customer's Full name and email address. Then perform the SELECT operation for the customer_info view.

```
40 •
          CREATE VIEW customer info AS
 41
          SELECT CONCAT(First_name ," ", Last_name) AS Full_name ,Email FROM customer;
 42
 43 •
          SELECT * FROM customer_info;
                                                Export: Wrap Cell Content: IA
Result Grid
               Filter Rows:
   Full name
                        Email
   JOHN IMANUEL
                       johnimanul@gmail.com
   RAJESH KUMAR
                       rajeshkumar64@hotmail.com
                       sizushitakasuki65@gmail.com
   SIZUSHI TAKASU
   SOPHIE ANDREW
                       sophieandrew12@gmail.com
   MIGUEL SANTOS
                       miguelsantos@.com
   HOE CHEN
                       hoechen@hotmail.com
   ANASTASIA IVANOVA
                       anastasia.ivanova@gmail.com
  DIEGO GORIE
                       diegogoriee@email.com
   ISABELLA ROSSI
                        isabellarossi200@email.com
  MICHEL SCHMIDT
                       michelschmidt8440@yahoo.com
   SARAH JOHNSON
                       sarah.johnson@gmail.com
  DAVID LEE
                       david.lee@hotmail.com
   EMMA WANG
                        emma.wang@hotmail.com
                       yuki.yamamoto@yahoo.com
   YUKI YAMAMOTO
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                       carlos.rodriguez@gmail.com
   LUCIA GARCIA
                       lucia.garcia@gmail.com
   ANTONIO SILVA
                       antonio.silva@gmail.com
   ELSA MARTINEZ
                       elsa.martinez@gmail.com
                       matthew.smith@gmail.com
  MATTHEW SMITH
  EMILIA NOVA
                       emilia.nova@gmail.com
```

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



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



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

```
UPDATE customer SET Phone no = 999565433 WHERE State = 'CALIFORNIA';
 57
          SELECT * FROM Customers_details ;
  58 •
Export: Wrap Cell Content: TA
    Full_name
                        Email
                                                    Phone_no
                                                                  State
   JOHN IMANUEL
                        johnimanul@gmail.com
                                                    1234567890
                                                                  ILLINOIS
   RAJESH KUMAR
                        rajeshkumar64@hotmail.com
                                                    9812345678
                                                                  DELHI
   SIZUSHI TAKASU
                        sizushitakasuki65@gmail.com
                                                                  TOKYO
                                                    8123456789
                                                                 PARIS
   SOPHIE ANDREW
                        sophieandrew12@gmail.com
                                                    -23456458
                        miguelsantos@.com
   MIGUEL SANTOS
                                                    5534567890
                                                                  SAO PAULO
   HOE CHEN
                        hoechen@hotmail.com
                                                    8623456789
                                                                  SHANG
   ANASTASIA IVANOVA
                        anastasia.ivanova@gmail.com
                                                    79123456789
                                                                  MOSIO
   DIEGO GORIE
                        diegogoriee@email.com
                                                    3456789012
                                                                  MEXICO CITY
   ISABELLA ROSSI
                        isabellarossi200@email.com
                                                    3934567890
                                                                  LAZIO
   MICHEL SCHMIDT
                        michelschmidt8440@yahoo.com
                                                    4945678901
                                                                 UTTAO
   SARAH JOHNSON
                        sarah.johnson@gmail.com
                                                    999565433
                                                                  CALIFORNIA
   DAVID LEE
                        david.lee@hotmail.com
                                                                  SANFRANSCO
                                                    9876543210
   EMMA WANG
                        emma.wang@hotmail.com
                                                                  New York
                                                    8765432109
   YUKI YAMAMOTO
                        yuki.yamamoto@yahoo.com
                                                    6543210987
                                                                 Tokyo
                        carlos.rodriguez@gmail.com
   CARLOS RODRIGUEZ
                                                    7890123456
                                                                  Mexico City
   LUCIA GARCIA
                        lucia.garcia@gmail.com
                                                    9087654321
                                                                  Madrid
   ANTONIO SILVA
                        antonio.silva@gmail.com
                                                                  Lisbon
                                                    9876543210
   FLSA MARTINEZ
                        elsa.martinez@gmail.com
                                                    8765432109
                                                                  Buenos Aires
Customers_details 42 ×
```

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

```
85 • SELECT State, COUNT(*) AS Customer_Count

86 FROM Customer_details

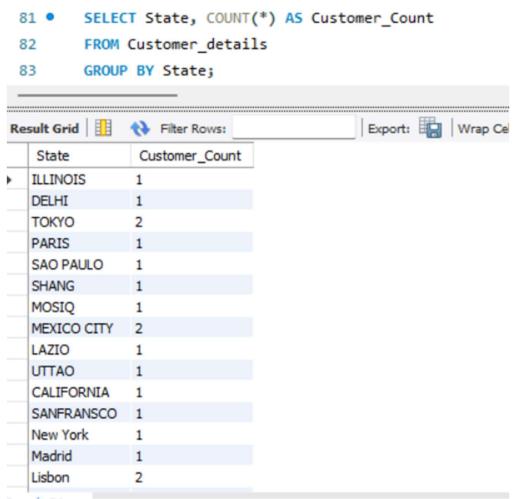
87 GROUP BY State

88 HAVING COUNT(*) > 5;

89

Result Grid  Filter Rows: Export: Wrap Cel
```

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



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

93 • SELECT * FROM Customer_details

94 ORDER BY State ASC;

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SABELLA ROSSI isabellarossi200@email.com 3934567890 LAZIO
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MILIA NOVA emilia.nova@gmail.com 6543210987 Lisbon
UCIA GARCIA lucia.garcia@gmail.com 9087654321 Madrid
DIEGO GORIE diegogoriee@email.com 3456789012 MEXICO CITY
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HOE CHEN hoechen@hotmail.com 8623456789 SHANG
SIZUSHI TAKASU sizushitakasuki65@gmail.com 8123456789 TOKYO
UKI YAMAMOTO yuki.yamamoto@yahoo.com 6543210987 Tokyo
MICHEL SCHMIDT michelschmidt8440@yahoo 4945678901 UTTAO