CONSIDER THE COUNTRY TABLE AND PERSONS TABLE THAT YOU CREATED EARLIER AND PERFORM THE FOLLOWING:

1. FIND THE NUMBER OF PERSONS IN EACH COUNTRY.

SELECT COUNT(F_NAME) ,COUNTRY_NAME DISCTINCT FROM PERSONS
GROUP BY COUNTRY_NAME;

FIND THE NUMBER OF PERSONS IN EACH COUNTRY SORTED FROM HIGH TO LOW.

SELECT COUNT(F_NAME) ,COUNTRY_NAME DISCTINCT FROM PERSONS
GROUP BY COUNTRY_NAME ORDER BY COUNT(F_NAME) DESC;

2. FIND OUT AN AVERAGE RATING FOR PERSONS IN RESPECTIVE COUNTRIES IF THE AVERAGE IS GREATER THAN 3.0

AVERAGE RATING OF THE PERSON;

SINCE THE AVERAGE RATE IS GREATER THAN 3, FIND BELOW THE RATING FOR EACH COUNTRY.

SELECT AVG(RATING) ,COUNTRY_NAME DISCTINCT FROM PERSONS
GROUP BY COUNTRY_NAME;

3. FIND THE COUNTRIES WITH THE SAME RATING AS THE USA. (USE SUBQUERIES)

SELECT COUNT(RATING),RATING,COUNTRY_NAME
FROM PERSONS WHERE RATING IN
(SELECT RATING
FROM PERSONS
WHERE COUNTRY_NAME = 'USA')
GROUP BY COUNTRY_NAME,RATING;

4 SELECT ALL COUNTRIES WHOSE POPULATION IS GREATER THAN THE AVERAGE POPULATION OF ALL NATIONS.

SELECT AVG(POPULATION) FROM COUNTRY;

CREATE A DATABASE NAMED PRODUCT

```sql
CREATE DATABASE PRODUCT;
```

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

```sql
CREATE TABLE CUSTOMER (
    CUSTOMER_ID INT NOT NULL,
    LAST_NAME VARCHAR(255) NOT NULL,
    FIRST_NAME VARCHAR(255) NOT NULL,
    EMAIL VARCHAR(200) NOT NULL,
    PHONE_NO INT(15) NOT NULL,
    ADDRESS VARCHAR(200) NOT NULL,
    CITY VARCHAR (50) NOT NULL,
    STATE VARCHAR 100) NOT NULL,
    ZIP_CODE VARCHAR(50) NOT NULL,
    COUNTRY VARCHAR(200) NOT NULL,
     PRIMARY KEY (CUSTOMER_ID)
);
```

```sql
INSERT INTO CUSTOMER
VALUES      (00002,'MICHAEL','MARIA','MARIAMICHAEL@GMAIL.COM','8978456','813
HOWARD STREET','OSWEGO','NEW YORK','13126','USA'),
    (00003,'MICHAEL','TESSA','TESSAMICHAEL@GMAIL.COM',23451278,'15205 NORTH
KIERLAND' ,'SCOTTSDALE','COLORADO','85254','USA'),
    (00005,'MIHAEL','JONAH','JONAHMICHAEL@GMAIL.COM',56452461,'1325 NIXON
STREET','OSWEGO','NEW YORK','13126','USA'),
    (00006,'ALRED','TINU','ALFREDTINU@GMAIL.COM',56452455,'165 DAVID
STREET','OSWEGO','NEW YORK','14126','USA'),
        (00007,'DANIEL','JEROME','JEROMEDANIEL@GMAIL.COM',56485845,'175 WINDY
STREET','OSWEGO','NEW YORK','14126','USA'),
    (00008,'RAINA','SURESH','SURESHRAINA@GMAIL.COM',45652280,'174 JEROME
STREET','KANDINBERRY','CALIFORNIA','37452','USA'),
     (00009,'AWLE','ABIJIT','ABIJITAWALE@GMAIL.COM',45651280,'65 CANDY
STREET','KANDINBERRY','CALIFORNIA','37451','USA'),
     (00010,'GEORGE','REKHA','REKHAGEORGE@GMAIL.COM',25125652,'180 JEROME
STREET','KANDINBERRY','CALIFORNIA','37454','USA'),
      (00011,'THERES','THANVI','THANVITHERES@GMAIL.COM',47451265,'145 CANAL
STREET','EDINBORO','CALIFORNIA','85245','USA'),
        (00012,'JOSEPH','MANU','MANUJOSEPH@GMAIL.COM',87542354,'185 ALPH
STREET','BUSAN','TEXAS','45871','USA'),
        (00013,'GOPINATH','MANJU','MANJUGOPINATH@GMAIL.COM',58651232,'170 DENVER
STREET','BUSAN','TEXAS','37452','USA'),
        (00014,'MENON','PRAKASH','PRAKASHMENON@GMAIL.COM',64123208,'230 OLIVER
STREET','BUSAN','TEXAS','45680','USA'),
         (00015,'ANTONY','DIVYA','DIVYANTONY@GMAIL.COM',56721232,'135 DENVER
STREET','DALLAS','TEXAS','37452','USA'),
         (00016,'GOPINATH','MANJU','MANJUGOPINATH@GMAIL.COM',50751232 ,'185
DENVER STREET','DALLAS','TEXAS','35264','USA'),
          (00017,'MAJEED','ABDUL','ABDULMAJEED@GMAIL.COM',45653201,'184 OHIO
STREET','ALEXANDRIA','WASHINGTON','23451','USA'),
          (00018,'SAIFUDIN','AHMED','AHMEDSAIFDIN@GMAIL.COM',567865122,'170
DENVER STREET','ALEXANDRIA','WASHINGTON','37442','USA');
```

```
CREATE VIEW CUSTOMER_INFO
   AS SELECT CONCAT(FIRST_NAME,  LAST_NAME)AS CUSTOMER_FULL_NAME,EMAIL FROM
CUSTOMER;

   SELECT * FROM CUSTOMER_INFO;

CREATE VIEW US_CUSTOMERS
   AS SELECT * FROM CUSTOMER
   WHERE COUNTRY='USA';

CREATE VIEW CUSTOMER_DETAILS
    AS SELECT CONCAT(FIRST_NAME,  LAST_NAME)AS
CUSTOMER_FULL_NAME,EMAIL,PHONE_NO,STATE FROM CUSTOMER
   WHERE COUNTRY='USA';
```

UPDATE PHONE NUMBERS OF CUSTOMERS WHO LIVE IN CALIFORNIA FOR CUSTOMER_DETAILS VIEW.

```
SET SQL_SAFE_UPDATES = 0;

UPDATE CUSTOMER_DETAILS
SET PHONE_NO = 2512654
WHERE CUSTOMER_FULL_NAME='REKHAGEORGE';

UPDATE CUSTOMER_DETAILS
SET PHONE_NO = 45652281
WHERE CUSTOMER_FULL_NAME=SURESHRAINA;

UPDATE CUSTOMER_DETAILS
SET PHONE_NO = 45651283
WHERE CUSTOMER_FULL_NAME=ABIJITAWLE;

UPDATE CUSTOMER_DETAILS
SET PHONE_NO = 47451263
WHERE CUSTOMER_FULL_NAME='THANVITHERES';
```

COUNT THE NUMBER OF CUSTOMERS IN EACH STATE AND SHOW ONLY STATES WITH 5 OR MORE CUSTOMERS.

SELECT DISTINCT COUNT(CUSTOMER_ID),STATE, COUNTRY FROM CUSTOMER
GROUP BY STATE, COUNTRY
HAVING COUNT(CUSTOMER_ID)>=1;
SELECT DISTINCT COUNT(CUSTOMER_ID),STATE,COUNTRY FROM CUSTOMER
GROUP BY STATE, COUNTRY
HAVING COUNT(CUSTOMER_ID)>=5;

WRITE A QUERY THAT WILL RETURN THE NUMBER OF CUSTOMERS IN EACH STATE, BASED ON THE "STATE" COLUMN IN THE "CUSTOMER_DETAILS" VIEW.

SELECT DISTINCT COUNT(STATE),STATE FROM CUSTOMER_DETAILS
GROUP BY STATE;

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;