Task 6 - Subqueries

Consider the Country table and Persons table that you created earlier and perform the following:  
  
1. Find the number of persons in each country.  
2. Find the number of persons in each country sorted from high to low.  
3. Find out an average rating for Persons in respective countries if the average is greater than 3.0  
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.

use country;

SELECT c.Country\_name, COUNT(p.Id) AS NumberOfPersons

FROM Country c

JOIN Persons p ON c.Id = p.Country\_Id

GROUP BY c.Country\_name;

INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country\_Id, Country\_name, DOB) VALUES

(1, 'John', 'Doe', 1393409038, 5, 1, 'India', '1980-01-15'),

(2, 'Jane', 'Smith', 1444216107, 4, 2, 'China', '1990-05-25'),

(3, 'Michael', 'Johnson', 331002651, 3, 3, 'USA', '1985-03-10'),

(4, 'Chris', 'Lee', 273523615, 5, 4, 'Indonesia', '1992-07-20'),

(5, 'Patricia', 'Brown', 220892340, 2, 5, 'Pakistan', '1988-11-30'),

(6, 'Robert', 'Davis', 212559417, 4, 6, 'Brazil', '1983-09-18'),

(7, 'Linda', 'Miller', 206139589, 3, 7, 'Nigeria', '1979-04-04'),

(8, 'James', 'Wilson', 164689383, 4, 8, 'Bangladesh', '1991-06-12'),

(9, 'Mary', 'Taylor', 145934462, 5, 9, 'Russia', '1987-02-22'),

(10, 'David', 'Anderson', 128932753, 2, 10, 'Mexico', '1982-08-08'),

(11, 'Alice', 'AM', 1393409038, 3, 1, 'India','1988-08-11'),

(12, 'Bob', 'PM', 200000, 4, 2, 'China','1987-08-18'),

(13, 'RAM', 'M',1393409038 , 3, 1, 'India','1998-01-21'),

(14,'ABU', 'MUH', 2200000, 2, 5,'PAKISTAN','1989-03-20');

SELECT c.Country\_name, COUNT(p.Id) AS Number\_Of\_Persons

FROM Country c

JOIN Persons p ON c.Id = p.Country\_Id

GROUP BY c.Country\_name

ORDER BY Number\_Of\_Persons DESC;

SELECT c.Country\_name, AVG(p.Rating) AS AverageRating

FROM Country c

JOIN Persons p ON c.Id = p.Country\_Id

GROUP BY c.Country\_name

HAVING AVG(p.Rating) > 3.0;

SELECT Country\_name

FROM Country

WHERE Id IN (

SELECT Country\_Id

FROM Persons

GROUP BY Country\_Id

HAVING AVG(Rating) = (

SELECT AVG(Rating)

FROM Persons

WHERE Country\_Id = (

SELECT Id FROM Country WHERE Country\_name = 'USA') ) );

SELECT Country\_name

FROM Country

WHERE Population > ( SELECT AVG(Population)

FROM Country);









