Assignment 5

Sorting and Grouping data

Insert 10 rows into both tables, as given below.

Create a table named Country with fields: Id, Country name, Population, Area.

Create another table named Persons with fields: Id Fname, Lname, Population, Rating, Country Id, Country name.

```
4 • ⊖ create table country (id int primary key,
       country_name varchar(50),
       population varchar(50),
       area_sqkm varchar(50));
 8 • desc country;
      insert into country(id, country name, population, area sqkm)
    values(1, 'India', '90000000', '32 lakhs'),
   (2, 'China', '90000000', '97 lakhs'),
11
      (3, 'USA', '80000000', '93 lakhs'),
12
      (4, 'UK', '70000000', '2 lakhs'),
13
    (5, 'Canada', '60000000', '99 lakhs'),
    (6, 'Australia', '50000000', '50 lakhs'),
15
      (7, 'Netherlands', '40000000', '32 lakhs'),
      (8, 'Sweden', '30000000', '4 lakhs'),
17
    (9, 'Austria', '20000000', '3 lakhs'),
      (10, 'Switzerland', '10000000', '2 lakhs');
19
20 • select*from country;
22 • Greate table persons (id int primary key,
       first name varchar(50),
23
24
       last_name varchar(50),
       population varchar(50),
25
26
       rating int,
       country_id int,
27
       country_name varchar(50));
28
29 •
       desc persons;
       insert into persons(id, first name, last name, population, rating, country id, country name)
30 •
       values(1, 'Lisha', 'Thomas', '90000000', 1, 1, 'India'),
31
       (2, 'Chaang', 'Yaang', '90000000', 2, 2, 'China'),
32
       (3, 'Thomas', 'Cook', '80000000', 3, 3, 'USA'),
33
       (4, 'Diana', 'Xavier', '90000000', 1, 1, 'India'),
       (5, 'Freddy', 'Dainz', '60000000', 5, 5, 'Canada'),
35
       (6, 'Hari', 'Sharma', '90000000', 1, 1, 'India'),
36
       (7, 'william', 'Blake', '40000000', 7, 7, 'Netherlands'),
37
       (8, 'Right', 'Thomas', '30000000',8, 8, 'Sweden'),
38
       (9, 'Cindrella', 'John', '20000000', 9, 9, 'Austria'),
       (10, 'Irene', 'Dizooza', '10000000', 10, 10, 'Iceland');
40
       select*from persons;
41 •
```

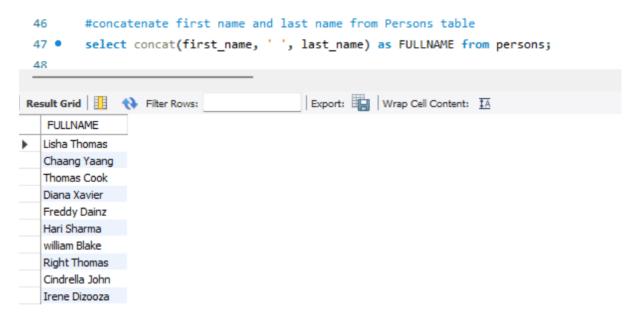
1. Write an SQL query to print the first three characters of Country_name from the Country table.

Query and Result



2. Write an SQL query to concatenate first name and last name from Persons table.

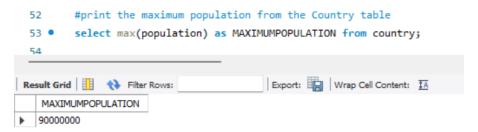
Query and Result



3. Write an SQL query to count the number of unique country names from Persons table.

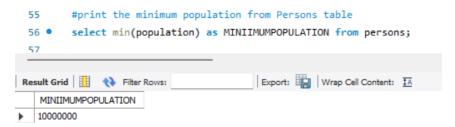
4. Write a query to print the maximum population from the Country table.

Query and Result

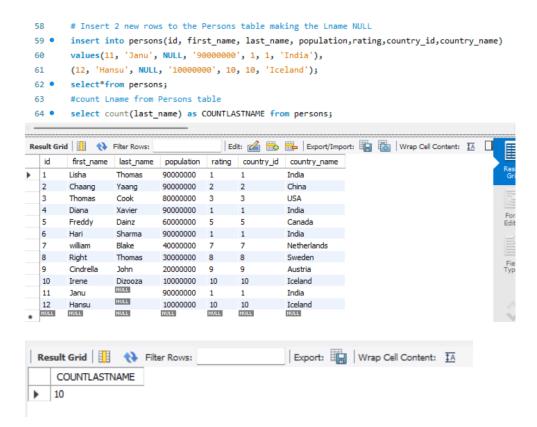


5. Write a query to print the minimum population from Persons table.

Query and Result



6. Insert 2 new rows to the Persons table making the Lname NULL. Then write another query to count Lname from Persons table.

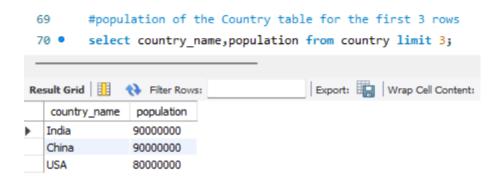


7. Write a query to find the number of rows in the Persons table.

Query and Result

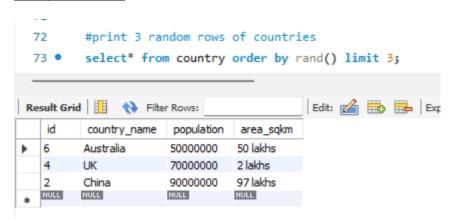
8. Write an SQL query to show the population of the Country table for the first 3 rows. (Hint: Use LIMIT)

Query and Result



9. Write a query to print 3 random rows of countries. (Hint: Use rand() function and LIMIT)

Query and Result



10. List all persons ordered by their rating in descending order.

75 #List all persons ordered by their rating in descending order

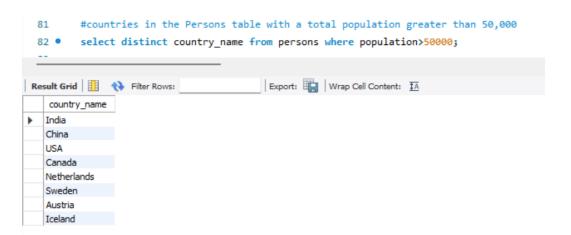


11. Find the total population for each country in the Persons table.

Query and Result



12. Find countries in the Persons table with a total population greater than 50,000.



13. List the total number of persons and average rating for each country, but only for countries with more than 2 persons, ordered by the average rating in ascending order.

