### **Assignment 4:**

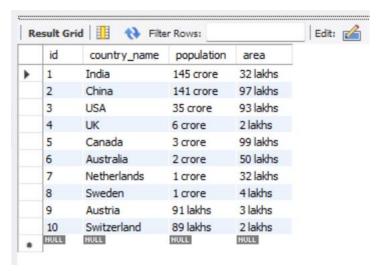
## **Querying Data**

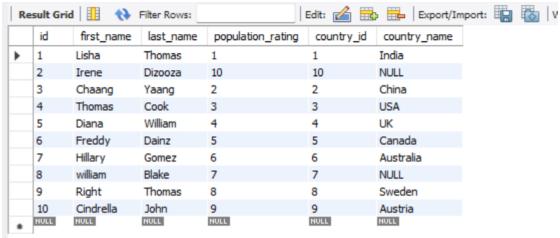
Insert 10 rows into both tables, as given below.

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.

```
create database assignment_4;
       use assignment 4;
 3 • ⊖ create table country (id int primary key,
       country_name varchar(50),
 4
       population varchar(50),
       area varchar(50));
 6
 7 .
      desc country;
 8 • insert into country(id, country_name, population, area)
      values(1, 'India', '145 crore', '32 lakhs'),
 9
       (2, 'China', '141 crore', '97 lakhs'),
    (3, 'USA', '35 crore', '93 lakhs'),
11
12 (4, 'UK', '6 crore', '2 lakhs'),
      (5, 'Canada', '3 crore', '99 lakhs'),
13
      (6, 'Australia', '2 crore', '50 lakhs'),
    (7, 'Netherlands', '1 crore', '32 lakhs'),
16 (8, 'Sweden', '1 crore', '4 lakhs'),
      (9, 'Austria', '91 lakhs', '3 lakhs'),
17
       (10, 'Switzerland', '89 lakhs', '2 lakhs');
18
19 • select*from country;
21 • ⊖ create table persons (id int primary key,
22
      first_name varchar(50),
23
      last_name varchar(50),
 24
     population_rating varchar(50),
 25
       country_id int,
 26
      country_name varchar(50));
 27 • desc persons;
 28 • insert into persons(id, first_name, last_name, population_rating,country_id,country_name)
 29
       values(1, 'Lisha', 'Thomas', '1', 1, 'India'),
 30
     (2, 'Irene', 'Dizooza', '10', 10, 'NULL'),
31 (3, 'Chaang', 'Yaang', '2', 2, 'China'),
32 (4, 'Thomas', 'Cook', '3', 3, 'USA'),
     (5, 'Diana', 'William', '4', 4, 'UK'),
33
     (6, 'Freddy', 'Dainz', '5', 5, 'Canada'),
 34
     (7, 'Hillary', 'Gomez', '6', 6, 'Australia'),
35
     (8, 'william', 'Blake', '7', 7, 'NULL'),
36
     (9, 'Right', 'Thomas', '8', 8, 'Sweden'),
37
      (10 , 'Cindrella', 'John', '9', 9, 'Austria');
38
 39 • select*from persons;
```

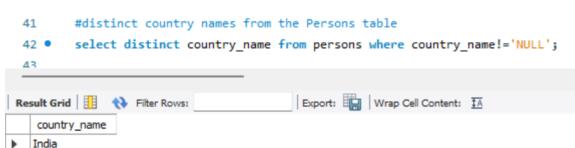




(1) List the distinct country names from the Persons table.

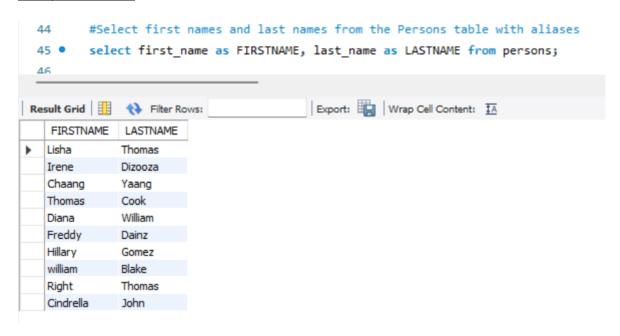
#### **Query and Results**

China USA UK Canada Australia Sweden Austria



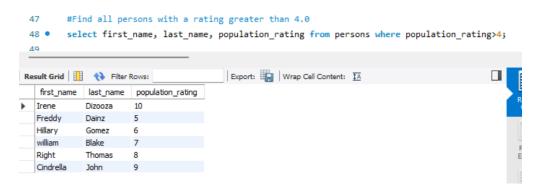
(2) Select first names and last names from the Persons table with aliases.

## **Query and Results**

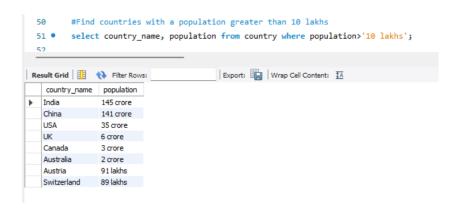


(3) Find all persons with a rating greater than 4.0.

## **Query and Results**



(4) Find countries with a population greater than 10 lakhs.



(5) Find persons who are from 'USA' or have a rating greater than 4.5.

## **Query and Results**

```
53
         #Find persons who are from 'USA' or have a rating greater than 4.5
         select first name, last name, country name, population rating from persons where
 54 •
         country_name='USA' or population_rating>4.5;
55
                                           Export: Wrap Cell Content: TA
first_name
             last_name
                       country_name
                                     population_rating
  Irene
             Dizooza
                       NULL
                                     10
  Thomas
             Cook
                       USA
                                    3
  Freddy
             Dainz
                       Canada
                                    5
  Hillary
             Gomez
                       Australia
                                    6
                       NULL
  william
             Blake
                                    7
  Right
             Thomas
                       Sweden
                                    8
             John
  Cindrella
                       Austria
                                    9
```

(6) Find all persons where the country name is NULL.

## **Query and Results**



(7) Find all persons from the countries 'USA', 'Canada', and 'UK'.



(8) Find all persons not from the countries 'India' and 'Australia'.

## **Query and Results**



(9) Find all countries with a population between 5 lakhs and 20 lakhs.

# **Query and Results**



(10) Find all countries whose names do not start with 'C'.

