

Create Table Country.

```
1 use entri_d41j
2
3 -- table country
4 CREATE TABLE Country (
5     Id INT PRIMARY KEY,
6     Country_name VARCHAR(100),
7     Population INT,
8     Area INT
9 );
```

Create Table Persons.

```
11 -- table persons
12 CREATE TABLE Persons (
13     Id INT PRIMARY KEY,
14     Fname VARCHAR(50),
15     Lname VARCHAR(50),
16     Population INT,
17     Rating FLOAT,
18     Country_Id INT,
19     Country_name VARCHAR(100)
20 );
21
```

Insert rows to both tables(10 rows).

```
22 -- insert values to the table country
23 INSERT INTO Country (Id, Country_name, Population, Area) VALUES
24 (1, 'USA', 331000000, 983517),
25 (2, 'Canada', 37700000, 9984670),
26 (3, 'UK', 67000000, 243610),
27 (4, 'India', 1380004385, 3287263),
28 (5, 'Australia', 25600000, 7692024),
29 (6, 'Germany', 83783942, 357022),
30 (7, 'France', 65273511, 551695),
31 (8, 'Brazil', 212559417, 8515767),
32 (9, 'Japan', 126476461, 377975),
33 (10, 'South Africa', 59388600, 1219090);
34
35 select * from country;
```

Id	Country_name	Population	Area
1	USA	331000000	983517
2	Canada	37700000	9984670
3	UK	67000000	243610
4	India	1380004385	3287263
5	Australia	25600000	7692024
6	Germany	83783942	357022
7	France	65273511	551695
8	Brazil	212559417	8515767
9	Japan	126476461	377975
10	South Africa	59388600	1219090

```
37 -- insert values to persons table
38 INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
39 (1, 'John', 'Doe', 331000000, 4.5, 1, 'USA'),
40 (2, 'Jane', 'Smith', 331000000, 4.5, 1, 'USA'),
41 (3, 'Emily', 'Jones', 37700000, 3.5, 2, 'Canada'),
42 (4, 'Michael', 'Brown', 67000000, 3.5, 3, 'UK'),
43 (5, 'Sarah', 'Davis', 1380004385, 4.5, 4, 'India'),
44 (6, 'Chris', 'Wilson', 25600000, 4.5, 5, 'Australia'),
45 (7, 'David', 'Taylor', 83783942, 4.5, 6, 'Germany'),
46 (8, 'Sophia', 'Anderson', 65273511, 4.5, 7, 'France'),
47 (9, 'Emma', 'Thomas', 212559417, 4.5, 8, 'Brazil'),
48 (10, 'Daniel', 'Martinez', 126476461, 4.5, 9, 'Japan');
49
50 select * from persons;
```

Id	Fname	Lname	Population	Rating	Country_Id	Country_name
1	John	Doe	331000000	4.5	1	USA
2	Jane	Smith	331000000	4.5	1	USA
3	Emily	Jones	37700000	3.5	2	Canada
4	Michael	Brown	67000000	3.5	3	UK
5	Sarah	Davis	1380004385	4.5	4	India

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

```
52 -- List the distinct country names from persons table
53 SELECT DISTINCT Country_name FROM Persons;
54
```

Country_name
USA
Canada
UK
India
Australia
Germany
France
Brazil
Japan

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

```
55 -- Select first names and last names from the Persons table with aliases.
56 SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons;
```

First_Name	Last_Name
John	Doe
Jane	Smith
Emily	Jones
Michael	Brown
Sarah	Davis
Chris	Wilson
David	Taylor
Sophia	Anderson
Emma	Thomas
Daniel	Martinez

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

```
58 -- Find all persons with a rating greater than 4.0.  
59 • SELECT * FROM Persons WHERE Rating > 4.0;
```

Result Grid							Filter Rows:		Edit:	Export/Import:

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

```
61 -- Find countries with a population greater than 10 lakhs.  
62 • SELECT Country_name, Population FROM Country WHERE Population > 1000000;
```

Result Grid	
Filter Rows:	
Export: Wrap Cell Contents	
Country_name	
Population	
▶	USA 331000000
	Canada 377000000
	UK 670000000
	India 1380004385
	Australia 255000000
	Germany 83783942
	France 65273511
	Brazil 212559417
	Japan 126476461
	South Africa 59308690

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

```
64 -- Find persons who are from 'USA' or have a rating greater than 4.5.  
65 • SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5;
```

Result Grid							Filter Rows:			Edit:	Export/Import:			Wri

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

```
67 -- Find all persons where the country name is NULL.  
68 • SELECT * FROM persons WHERE Country_name is NULL;
```

Result Grid							Filter Rows:		Edit:		Export/Imp	

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

```
70 -- Find all persons from the countries 'USA', 'Canada', and 'UK'.  
71 • SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK');
```

Result Grid							Filter Rows:			Edit:			Export/Import:		
	Id	Fname	Lname	Population	Rating	Country_Id	Country_name								
▶	1	John	Doe	331000000	4.8	1	USA								
	2	Jane	Smith	331000000	4.6	1	USA								
	3	Emily	Jones	37700000	3.9	2	Canada								
	4	Michael	Brown	67000000	5	3	UK								
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL								

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

```
73 -- Find all persons not from the countries 'India' and 'Australia'.  
74 • SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia');
```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap

	Id	Fname	Lname	Population	Rating	Country_id	Country_name
▶	1	John	Doe	331000000	4.8	1	USA
	2	Jane	Smith	331000000	4.6	1	USA
	3	Emily	Jones	37700000	3.9	2	Canada
	4	Michael	Brown	67000000	5	3	UK
	7	David	Taylor	83783942	4.9	6	Germany
	8	Sophia	Anderson	65273511	4.1	7	France
	9	Emma	Thomas	212599417	4	8	Brazil
	10	Daniel	Martinez	126476461	5	9	Japan
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

```
76 -- Find all countries with a population between 5 lakhs and 20 lakhs.  
77 • SELECT * FROM Country WHERE Population BETWEEN 500000 AND 2000000;  
78
```

Result Grid				
Filter Rows:				
Edit: Export/Import: Wra				
	Id	Country_name	Population	Area
*	NULL	NULL	NULL	NULL

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

```
79 -- Find all countries whose names do not start with 'C'.  
80 • SELECT * FROM Country WHERE Country_name NOT LIKE 'C%';  
81
```

Result Grid				
Filter Rows:				
Edit: Export/Impo				
	Id	Country_name	Population	Area
▶	1	USA	331000000	9833517
	3	UK	67000000	243610
	4	India	1380004385	3287263
	5	Australia	25600000	7692024
	6	Germany	83783942	357022
	7	France	65273511	551695
	8	Brazil	212559417	8515767
	9	Japan	126476461	377975
	10	South Africa	59308690	1219090
*	NULL	NULL	NULL	NULL