Print the first three characters of Country_name from the Country table.

```
36        (1, 'John', 'Doe', 100000, 85, 1),
37        (2, 'Jane', 'Smith', 150000, 90, 2),
38        (3, 'Alex', 'Brown', 120000, 75, 3),
39        (4, 'Emily', 'Davis', 130000, 80, 4),
40        (5, 'Chris', 'Wilson', 140000, 95, 5),
41        (6, 'Sophia', 'Miller', 110000, 70, 6),
42        (7, 'Daniel', 'Taylor', 125000, 65, 7),
43        (8, 'Emma', 'Anderson', 135000, 85, 8),
44        (9, 'Olivia', 'Thomas', 145000, 88, 9),
45        (10, 'Liam', 'Johnson', 155000, 92, 10);
46
47 •      select * from persons;
48
49 •      SELECT LEFT(Country_name, 3) AS FirstThreeCharacters FROM Country;
```

FirstThreeCharacters
USA
Ind
Chi
Bra
Rus

Concatenate Fname and Lname from the Persons table.

```
38        (3, 'Alex', 'Brown', 120000, 75, 3),
39        (4, 'Emily', 'Davis', 130000, 80, 4),
40        (5, 'Chris', 'Wilson', 140000, 95, 5),
41        (6, 'Sophia', 'Miller', 110000, 70, 6),
42        (7, 'Daniel', 'Taylor', 125000, 65, 7),
43        (8, 'Emma', 'Anderson', 135000, 85, 8),
44        (9, 'Olivia', 'Thomas', 145000, 88, 9),
45        (10, 'Liam', 'Johnson', 155000, 92, 10);
46
47 •      select * from persons;
48
49 •      SELECT LEFT(Country_name, 3) AS FirstThreeCharacters FROM Country;
50
51 •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
```

FullName
John Doe
Jane Smith
Alex Brown
Emily Davis
Chris Wilson

Count the number of unique country names from the Persons table.

```
40        (5, 'Chris', 'Wilson', 140000, 95, 5),
41        (6, 'Sophia', 'Miller', 110000, 70, 6),
42        (7, 'Daniel', 'Taylor', 125000, 65, 7),
43        (8, 'Emma', 'Anderson', 135000, 85, 8),
44        (9, 'Olivia', 'Thomas', 145000, 88, 9),
45        (10, 'Liam', 'Johnson', 155000, 92, 10);
46
47 •      select * from persons;
48
49 •      SELECT LEFT(Country_name, 3) AS FirstThreeCharacters FROM Country;
50
51 •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
52
53 •      SELECT COUNT(DISTINCT Country_Id) AS UniqueCountryCount FROM Persons;
```

UniqueCountryCount
10

Print the maximum population from the Country table.

```
42          (7, 'Daniel', 'Taylor', 125000, 65, 7),
43          (8, 'Emma', 'Anderson', 135000, 85, 8),
44          (9, 'Olivia', 'Thomas', 145000, 88, 9),
45          (10, 'Liam', 'Johnson', 155000, 92, 10);
46
47  •      select * from persons;
48
49  •      SELECT LEFT(Country_name, 3) AS FirstThreeCharacters FROM Country;
50
51  •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
52
53  •      SELECT COUNT(DISTINCT Country_Id) AS UniqueCountryCount FROM Persons;
54
55  •      SELECT MAX(Population) AS MaxPopulation FROM Country;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

MaxPopulation
1439323776

Print the minimum population from the Persons table.

```
45          (10, 'Liam', 'Johnson', 155000, 92, 10);
46
47  •      select * from persons;
48
49  •      SELECT LEFT(Country_name, 3) AS FirstThreeCharacters FROM Country;
50
51  •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
52
53  •      SELECT COUNT(DISTINCT Country_Id) AS UniqueCountryCount FROM Persons;
54
55  •      SELECT MAX(Population) AS MaxPopulation FROM Country;
56
57  •      SELECT MIN(Population) AS MinPopulation FROM Persons;
58
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

MinPopulation
100000

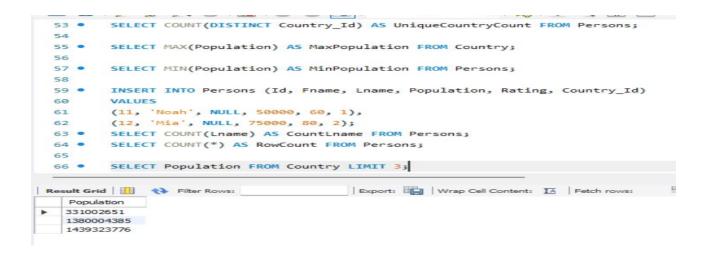**Insert two new rows with Lname as NULL, then count Lname from Persons.**

```
50
51  •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
52
53  •      SELECT COUNT(DISTINCT Country_Id) AS UniqueCountryCount FROM Persons;
54
55  •      SELECT MAX(Population) AS MaxPopulation FROM Country;
56
57  •      SELECT MIN(Population) AS MinPopulation FROM Persons;
58
59  •      INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id)
60          VALUES
61          (11, 'Noah', NULL, 50000, 60, 1),
62          (12, 'Mia', NULL, 75000, 80, 2);
63  •      SELECT COUNT(Lname) AS CountLname FROM Persons;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

CountLname
10

Find the number of rows in the Persons table.

```
51 •    SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
52
53 •    SELECT COUNT(DISTINCT Country_Id) AS UniqueCountryCount FROM Persons;
54
55 •    SELECT MAX(Population) AS MaxPopulation FROM Country;
56
57 •    SELECT MIN(Population) AS MinPopulation FROM Persons;
58
59 •    INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id)
60      VALUES
61      (11, 'Noah', NULL, 50000, 60, 1),
62      (12, 'Mia', NULL, 75000, 80, 2);
63 •    SELECT COUNT(Lname) AS CountLname FROM Persons;
64 •    SELECT COUNT(*) AS RowCount FROM Persons;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈̲𝐀

RowCount
12

Show the population of the Country table for the first 3 rows.

```
53 •    SELECT COUNT(DISTINCT Country_Id) AS UniqueCountryCount FROM Persons;
54
55 •    SELECT MAX(Population) AS MaxPopulation FROM Country;
56
57 •    SELECT MIN(Population) AS MinPopulation FROM Persons;
58
59 •    INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id)
60      VALUES
61      (11, 'Noah', NULL, 50000, 60, 1),
62      (12, 'Mia', NULL, 75000, 80, 2);
63 •    SELECT COUNT(Lname) AS CountLname FROM Persons;
64 •    SELECT COUNT(*) AS RowCount FROM Persons;
65
66 •    SELECT Population FROM Country LIMIT 3;|
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈̲𝐀 | Fetch rows:

Population
331002651
1380004385
1439323776

Print 3 random rows of countries.

```
55 •    SELECT MAX(Population) AS MaxPopulation FROM Country;
56
57 •    SELECT MIN(Population) AS MinPopulation FROM Persons;
58
59 •    INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id)
60      VALUES
61      (11, 'Noah', NULL, 50000, 60, 1),
62      (12, 'Mia', NULL, 75000, 80, 2);
63 •    SELECT COUNT(Lname) AS CountLname FROM Persons;
64 •    SELECT COUNT(*) AS RowCount FROM Persons;
65
66 •    SELECT Population FROM Country LIMIT 3;
67
68 •    SELECT * FROM Country ORDER BY RAND() LIMIT 3;|
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Id	Country_name	Population	Area
1	USA	331002651	9833517
9	France	65273511	551695
10	Japan	126476461	377975
NULL	NULL	NULL	NULL

List all persons ordered by their rating in descending order.

```
58
59 •     INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id)
60       VALUES
61       (11, 'Noah', NULL, 50000, 60, 1),
62       (12, 'Mia', NULL, 75000, 80, 2);
63 •     SELECT COUNT(Lname) AS CountLname FROM Persons;
64 •     SELECT COUNT(*) AS RowCount FROM Persons;
65
66 •     SELECT Population FROM Country LIMIT 3;
67
68 •     SELECT * FROM Country ORDER BY RAND() LIMIT 3;
69
70 •     SELECT * FROM Persons ORDER BY Rating DESC;
71
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

Id	Fname	Lname	Population	Rating	Country_Id
5	Chris	Wilson	140000	95	5
10	Liam	Johnson	155000	92	10
2	Jane	Smith	150000	90	2
9	Olivia	Thomas	145000	88	9
1	John	Doe	100000	85	1

Persons 12

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

Limit to 1000 rows

```
62       (12, 'Mia', NULL, 75000, 80, 2);
63 •     SELECT COUNT(Lname) AS CountLname FROM Persons;
64 •     SELECT COUNT(*) AS RowCount FROM Persons;
65
66 •     SELECT Population FROM Country LIMIT 3;
67
68 •     SELECT * FROM Country ORDER BY RAND() LIMIT 3;
69
70 •     SELECT * FROM Persons ORDER BY Rating DESC;
71
72 •     SELECT Country_Id, SUM(Population) AS TotalPopulation
73       FROM Persons
74       GROUP BY Country_Id;
75
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Country_Id	TotalPopulation
1	150000
2	225000
3	120000
4	130000
5	140000

Result 13

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

```
67
68  ● SELECT * FROM Country ORDER BY RAND() LIMIT 3;
69
70  ● SELECT * FROM Persons ORDER BY Rating DESC;
71
72  ● SELECT Country_Id, SUM(Population) AS TotalPopulation
73     FROM Persons
74     GROUP BY Country_Id;
75
76  ● SELECT Country_Id
77     FROM Persons
78     GROUP BY Country_Id
79     HAVING SUM(Population) > 50000;
80
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

Country_Id
1
2
3
4
5

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.

```
78     GROUP BY Country_Id
79     HAVING SUM(Population) > 50000;
80
81  ● SELECT Country_Id, COUNT(*) AS TotalPersons, AVG(Rating) AS AverageRating
82     FROM Persons
83     GROUP BY Country_Id
84     HAVING COUNT(*) > 2
85     ORDER BY AverageRating ASC;
86
87  ● SELECT Country_Id, COUNT(*) AS TotalPersons, AVG(Rating) AS AverageRating
88     FROM Persons
89     GROUP BY Country_Id
90     HAVING COUNT(*) >= 2
91     ORDER BY AverageRating ASC;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

Country_Id	TotalPersons	AverageRating
1	2	72.5000
2	2	85.0000