

TASK-4

Insert 10 rows to both tables 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

```
1 • CREATE DATABASE indexx ;
2 • USE indexx;
3 • CREATE TABLE country (
4   Id INT PRIMARY KEY,
5   Country_name VARCHAR (50) NOT NULL,
6   Population BIGINT NOT NULL,
7   Area BIGINT NOT NULL );
8 • INSERT INTO country VALUES
9   (1,"INDIA",1428627663,2973190),
10  (2,"CHINA",1425671352,9388211),
11  (3,"UNITED STATES",339996563,9147420),
12  (4,"INDONESIA",277534122,1811570),
13  (5,"PAKISTAN",240485658,770880),
14  (6,"NIGERIA",223804632,910770),
15  (7,"BRAZIL",216422446,8358140),
16  (8,"BANGLADESH",172954319,130170),
17  (9,"RUSSIA",144444359,16376870),
18  (10,"MEXICO",128455567,1943950);
19 • SELECT * FROM country;
```

| Result Grid | | | | |
|-------------|------|---------------|------------|----------|
| | | Filter Rows: | Edit: | |
| | Id | Country_name | Population | Area |
| ▶ | 1 | INDIA | 1428627663 | 2973190 |
| | 2 | CHINA | 1425671352 | 9388211 |
| | 3 | UNITED STATES | 339996563 | 9147420 |
| | 4 | INDONESIA | 277534122 | 1811570 |
| | 5 | PAKISTAN | 240485658 | 770880 |
| | 6 | NIGERIA | 223804632 | 910770 |
| | 7 | BRAZIL | 216422446 | 8358140 |
| | 8 | BANGLADESH | 172954319 | 130170 |
| | 9 | RUSSIA | 144444359 | 16376870 |
| | 10 | MEXICO | 128455567 | 1943950 |
| ✱ | NULL | NULL | NULL | NULL |

```

21 • CREATE TABLE persons (
22     Id INT PRIMARY KEY,
23     First_name VARCHAR (50),
24     Last_name VARCHAR (50),
25     Population BIGINT ,
26     Rating FLOAT,
27     Country_Id INT ,
28     Country_name VARCHAR(50),
29     FOREIGN KEY (country_Id) REFERENCES country (Id)
30 );
31
32 • INSERT INTO persons VALUES
33     (1,"DHRUV","RATHEE",1428627663,3.8,1,"INDIA"),
34     (2,"MEI","CHAO",1425671352,3.9,2,"CHINA"),
35     (3,"NOAH","OLIVER",339996563,4.6,3,"UNITED STATES"),
36     (4,"AGUS","TONO",277534122,3.5,4,"INDONESIA"),
37     (5,"SHIBRA","SHAMEER",240485658,4.8,5,"PAKISTAN"),
38     (6,"OLUMIDE","NGOZI",223804632,2.8,6,"NIGERIA"),
39     (7,"ISADORA","RAFAEL",216422446,4.9,7,"BRAZIL"),
40     (8,"SADIA","FAHIM",172954319,2.1,8,"BANGLADESH"),
41     (9,"ALEXANDER","IVAN",144444359,4.0,9,"RUSSIA"),
42     (10,"MARIA","DANIEL",128455567,3.5,10,"MEXICO");
43
44 • SELECT * FROM persons;

```

| Result Grid | | | | | | | |
|----------------|------|------------|-----------|------------|--------|------------|---------------|
| Filter Rows: | | | | | | | |
| Edit: | | | | | | | |
| Export/Import: | | | | | | | |
| | Id | First_name | Last_name | Population | Rating | Country_Id | Country_name |
| ▶ | 1 | DHRUV | RATHEE | 1428627663 | 3.8 | 1 | INDIA |
| | 2 | MEI | CHAO | 1425671352 | 3.9 | 2 | CHINA |
| | 3 | NOAH | OLIVER | 339996563 | 4 | 3 | UNITED STATES |
| | 4 | AGUS | TONO | 277534122 | 3 | 4 | INDONESIA |
| | 5 | SHIBRA | SHAMEER | 240485658 | 4 | 5 | PAKISTAN |
| | 6 | OLUMIDE | NGOZI | 223804632 | 2 | 6 | NIGERIA |
| | 7 | ISADORA | RAFAEL | 216422446 | 4.9 | 7 | BRAZIL |
| | 8 | SADIA | FAHIM | 172954319 | 2 | 8 | BANGLADESH |
| | 9 | ALEXANDER | IVAN | 144444359 | 4 | 9 | RUSSIA |
| | 10 | MARIA | DANIEL | 128455567 | 5.3 | 10 | MEXICO |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

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

| 46 | • | SELECT LEFT(country_name , 3) FROM country; |
|--------------|-------------------|---|
| 47 | | |
| Result Grid | | |
| Filter Rows: | | |
| Export: | | |
| Wrap Cel | | |
| | LEFT(country_name | |
| | , 3) | |
| ▶ | IND | |
| | CHI | |
| | UNI | |
| | IND | |
| | PAK | |
| | NIG | |
| | BRA | |
| | BAN | |
| | RUS | |
| | MEX | |

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

47

48 • `SELECT CONCAT(First_name, ' ', Last_name) FROM persons;`

49

| Result Grid | | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|------------------------------------|--------------|---------|--------------------|
| | CONCAT(First_name, ' ', Last_name) | | | |
| ▶ | DHRUV RATHEE | | | |
| | MEI CHAO | | | |
| | NOAH OLIVER | | | |
| | AGUS TONO | | | |
| | SHIBRA SHAMEER | | | |
| | OLUMIDE NGOZI | | | |
| | ISADORA RAFAEL | | | |
| | SADIA FAHIM | | | |
| | ALEXANDER IVAN | | | |
| | MARIA DANIEL | | | |

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

49

50 • `SELECT COUNT(DISTINCT Country_name) AS Unique FROM persons;`

51

| Result Grid | | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--------|--------------|---------|--------------------|
| | Unique | | | |
| ▶ | 10 | | | |

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

51

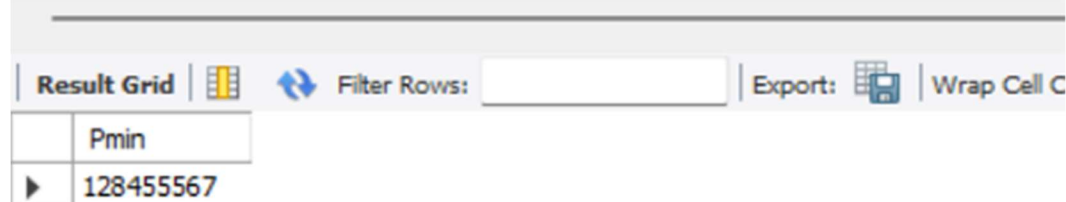
52 • `SELECT MAX(Population) AS Pmax FROM country;`

53

| Result Grid | | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|------------|--------------|---------|--------------------|
| | Pmax | | | |
| ▶ | 1428627663 | | | |

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

```
53
54 • SELECT MIN(Population) AS Pmin FROM country;
```

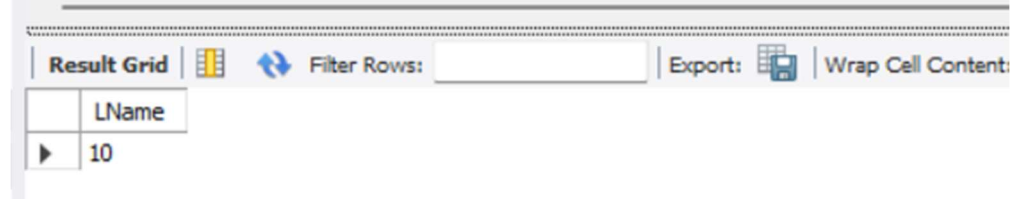


The screenshot shows a database interface with a query result grid. The grid has a header row with the column name 'Pmin' and a data row with the value '128455567'. The interface includes a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'.

| Pmin |
|-----------|
| 128455567 |

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

```
56 • INSERT INTO country VALUES
57     (11,"ETHIOPIA",126527060,1000000),
58     (12,"JAPAN",123294513,364555);
59
60 • SELECT * FROM country;
61
62 • INSERT INTO persons VALUES
63     (11,"Yihenew",NULL,126527060,3.1,11,"ETHIOPIA"),
64     (12,"Takahashi",NULL,123294513,4.8,12,"JAPAN");
65
66 • SELECT * FROM persons;
67
68 • SELECT COUNT(Last_name) AS LName FROM persons;
```



The screenshot shows a database interface with a query result grid. The grid has a header row with the column name 'LName' and a data row with the value '10'. The interface includes a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'.

| LName |
|-------|
| 10 |

69

70 • `SELECT COUNT(*) AS no_rows FROM persons;`

| Result Grid | | Filter Rows: | Export: |
|-------------|---------|--------------|---------|
| | no_rows | | |
| ▶ | 12 | | |

8. Write an SQL query to return the current date and time.

71

72 • `SELECT NOW() AS Timee ;`

| Result Grid | | Filter Rows: |
|-------------|---------------------|--------------|
| | Timee | |
| ▶ | 2024-05-28 16:29:50 | |

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

74 • `SELECT Population FROM country LIMIT 3;`

75

| Result Grid | | Filter Rows: | Export: |
|-------------|------------|--------------|---------|
| | Population | | |
| ▶ | 1428627663 | | |
| | 1425671352 | | |
| | 339996563 | | |

10. Write a query to print 3 random rows of countries.

75

76 • `SELECT * FROM country ORDER BY RAND() LIMIT 3;`

Result Grid

Filter Rows:

Edit:

| | Id | Country_name | Population | Area |
|---|------|---------------|------------|---------|
| ▶ | 7 | BRAZIL | 216422446 | 8358140 |
| | 3 | UNITED STATES | 339996563 | 9147420 |
| | 2 | CHINA | 1425671352 | 9388211 |
| * | NULL | NULL | NULL | NULL |