CREATED 2 TABLES (COUNTRY, PERSONS)

```
1   CREATE TABLE Country (Id INT PRIMARY KEY,Country_name VARCHAR(100),Population INT,Area INT);
2
3   CREATE TABLE Persons (Id INT PRIMARY KEY,Fname VARCHAR(100),Lname VARCHAR(100),Population INT,Rating DECIMAL(3,2),Country_Id INT,
4       Country_name VARCHAR(100),FOREIGN KEY (Country_Id) REFERENCES Country(Id));
5
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	10:39:44	USE entri_dd41	0 row(s) affected	0.000 sec
2	10:41:06	drop table persons	0 row(s) affected	0.032 sec
3	10:41:19	drop table selected_students	0 row(s) affected	0.000 sec
4	10:41:30	drop table country	0 row(s) affected	0.016 sec
5	11:27:20	CREATE TABLE Country (Id INT PRIMARY KEY,Country_name VARCHAR(100),Population INT,Area I...	0 row(s) affected	0.032 sec
6	11:27:30	CREATE TABLE Persons (Id INT PRIMARY KEY,Fname VARCHAR(100),Lname VARCHAR(100),Pop...	0 row(s) affected	0.032 sec

INSERTED ROWS INTO COUNTRY TABLE

```
1   CREATE TABLE Country (Id INT PRIMARY KEY,Country_name VARCHAR(100),Population INT,Area INT);
2
3   CREATE TABLE Persons (Id INT PRIMARY KEY,Fname VARCHAR(100),Lname VARCHAR(100),Population INT,Rating DECIMAL(3,2),Country_Id INT,
4       Country_name VARCHAR(100),FOREIGN KEY (Country_Id) REFERENCES Country(Id));
5
6   -- Inserted Rows into Country Table
7   INSERT INTO Country (Id, Country_name, Population, Area) VALUES
8   (1, 'India', 3000000, 100000),(2, 'Syria', 5000000, 200000),(3, 'Pakistan', 7000000, 150000),
9   (4, 'Poland', 2000000, 50000),(5, 'England', 6000000, 120000),(6, 'France', 8000000, 300000),
10  (7, 'Italy', 9000000, 250000),(8, 'Nepal', 4000000, 180000),(9, 'Iran', 3500000, 110000),(10, 'Japan', 4500000, 160000);
11  select * from Country;
```

Result Grid

Id	Country_name	Population	Area
1	India	3000000	100000
2	Syria	5000000	200000
3	Pakistan	7000000	150000
4	Poland	2000000	50000
5	England	6000000	120000
6	France	8000000	300000
7	Italy	9000000	250000
8	Nepal	4000000	180000
9	Iran	3500000	110000
10	Japan	4500000	160000
*	NULL	NULL	NULL

Country 1

Output

Action Output

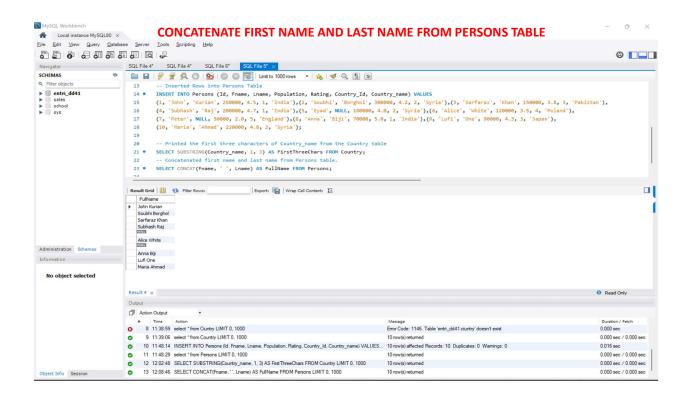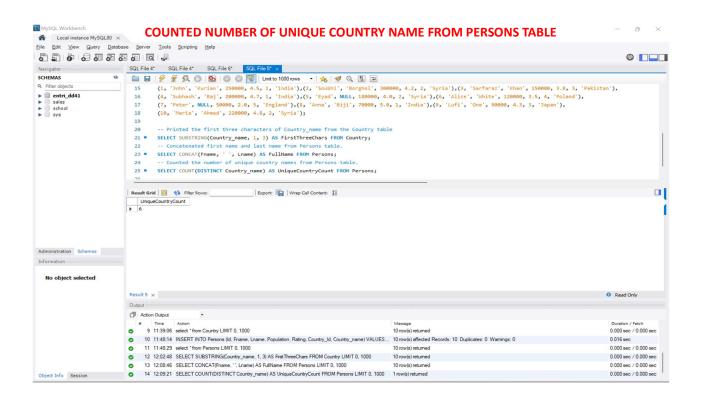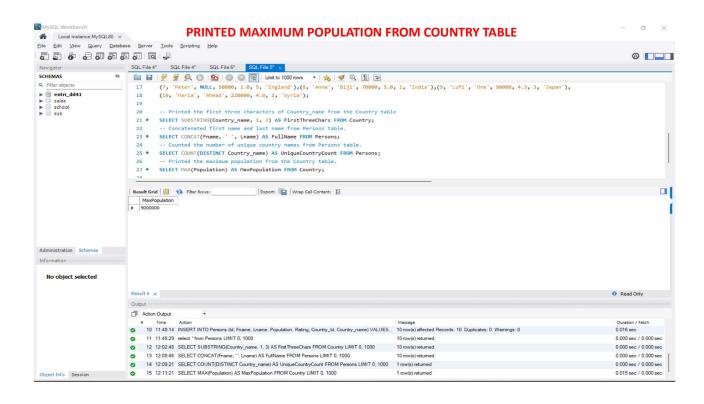| #	Time	Action	Message	Duration / Fetch
4	10:41:30	drop table country	0 row(s) affected	0.016 sec
5	11:27:20	CREATE TABLE Country (Id INT PRIMARY KEY,Country_name VARCHAR(100),Population INT,Are...	0 row(s) affected	0.032 sec
6	11:27:30	CREATE TABLE Persons (Id INT PRIMARY KEY,Fname VARCHAR(100),Lname VARCHAR(100),Pop...	0 row(s) affected	0.032 sec
7	11:38:38	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'India', 3000000, 100000),(...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
8	11:38:59	select * from Ciuntry LIMIT 0, 1000	Error Code: 1146. Table 'entri_dd41.ciuntry' doesn't exist	0.000 sec
9	11:39:06	select * from Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

INSERTED ROWS INTO PERSONS TABLE

PRINTED FIRST 3 CHARACTERS OF COUNTRY NAME FROM COUNTRY TABLE

CONCATENATE FIRST NAME AND LAST NAME FROM PERSONS TABLE


```
13      -- Inserted Rows into Persons Table
14  •   INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
15      (1, 'John', 'Kurian', 250000, 4.5, 1, 'India'),(2, 'Soubhi', 'Borghol', 300000, 4.2, 2, 'Syria'),(3, 'Sarfaraz', 'Khan', 150000, 3.8, 3, 'Pakistan'),
16      (4, 'Subhash', 'Raj', 200000, 4.7, 1, 'India'),(5, 'Eyad', NULL, 180000, 4.0, 2, 'Syria'),(6, 'Alice', 'White', 120000, 3.5, 4, 'Poland'),
17      (7, 'Peter', NULL, 50000, 2.0, 5, 'England'),(8, 'Anna', 'Biji', 70000, 5.0, 1, 'India'),(9, 'Lufi', 'One', 90000, 4.3, 3, 'Japan'),
18      (10, 'Maria', 'Ahmad', 220000, 4.8, 2, 'Syria');
19
20      -- Printed the first three characters of Country_name from the Country table
21  •   SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country;
22      -- Concatenated first name and last name from Persons table.
23  •   SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
```

Result Grid:

FullName
John Kurian
Soubhi Borghol
Sarfaraz Khan
Subhash Raj
NULL
Alice White
NULL
Anna Biji
Lufi One
Maria Ahmad

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
⊗ 8	11:38:59	select * from Ciuntry LIMIT 0, 1000	Error Code: 1146. Table 'entri_dd41.ciuntry' doesn't exist	0.000 sec
✓ 9	11:39:06	select * from Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 10	11:48:14	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✓ 11	11:48:29	select * from Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 12	12:02:48	SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 13	12:08:46	SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

---

COUNTED NUMBER OF UNIQUE COUNTRY NAME FROM PERSONS TABLE


```
15      (1, 'John', 'Kurian', 250000, 4.5, 1, 'India'),(2, 'Soubhi', 'Borghol', 300000, 4.2, 2, 'Syria'),(3, 'Sarfaraz', 'Khan', 150000, 3.8, 3, 'Pakistan'),
16      (4, 'Subhash', 'Raj', 200000, 4.7, 1, 'India'),(5, 'Eyad', NULL, 180000, 4.0, 2, 'Syria'),(6, 'Alice', 'White', 120000, 3.5, 4, 'Poland'),
17      (7, 'Peter', NULL, 50000, 2.0, 5, 'England'),(8, 'Anna', 'Biji', 70000, 5.0, 1, 'India'),(9, 'Lufi', 'One', 90000, 4.3, 3, 'Japan'),
18      (10, 'Maria', 'Ahmad', 220000, 4.8, 2, 'Syria');
19
20      -- Printed the first three characters of Country_name from the Country table
21  •   SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country;
22      -- Concatenated first name and last name from Persons table.
23  •   SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
24      -- Counted the number of unique country names from Persons table.
25  •   SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons;
```

Result Grid:

UniqueCountryCount
6

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
✓ 9	11:39:06	select * from Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 10	11:48:14	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✓ 11	11:48:29	select * from Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 12	12:02:48	SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 13	12:08:46	SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 14	12:09:21	SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 4*   SQL File 4*   SQL File 6*   SQL File 5* ×

Limit to 1000 rows

```
17        (7, 'Peter', NULL, 50000, 2.0, 5, 'England'),(8, 'Anna', 'Biji', 70000, 5.0, 1, 'India'),(9, 'Lufi', 'One', 90000, 4.3, 3, 'Japan'),
18        (10, 'Maria', 'Ahmad', 220000, 4.8, 2, 'Syria');
19
20        -- Printed the first three characters of Country_name from the Country table
21 •      SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country;
22        -- Concatenated first name and last name from Persons table.
23 •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
24        -- Counted the number of unique country names from Persons table.
25 •      SELECT COUNT(DISTICNT Country_name) AS UniqueCountryCount FROM Persons;
26        -- Printed the maximum population from the Country table.
27 •      SELECT MAX(Population) AS MaxPopulation FROM Country;
```

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

MaxPopulation
9000000

Administration   Schemas

Information

No object selected

Result 6 ×   Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	10	11:48:14	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✓	11	11:48:29	select * from Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	12	12:02:48	SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	13	12:08:46	SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	14	12:09:21	SELECT COUNT(DISTICNT Country_name) AS UniqueCountryCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	15	12:11:21	SELECT MAX(Population) AS MaxPopulation FROM Country LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec

Object Info   Session

MySQL Workbench

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 4*   SQL File 4*   SQL File 6*   SQL File 5* ×

Limit to 1000 rows

```
19
20        -- Printed the first three characters of Country_name from the Country table
21 •      SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country;
22        -- Concatenated first name and last name from Persons table.
23 •      SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons;
24        -- Counted the number of unique country names from Persons table.
25 •      SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons;
26        -- Printed the maximum population from the Country table.
27 •      SELECT MAX(Population) AS MaxPopulation FROM Country;
28        -- Printed the minimum population from Persons table.
29 •      SELECT MIN(Population) AS MinPopulation FROM Persons;
```

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

MinPopulation
50000

Administration   Schemas

Information

No object selected

Result 7 ×   Read Only

Output

Action Output

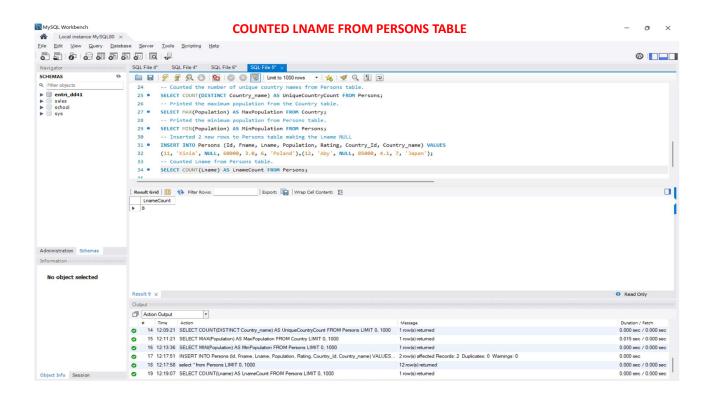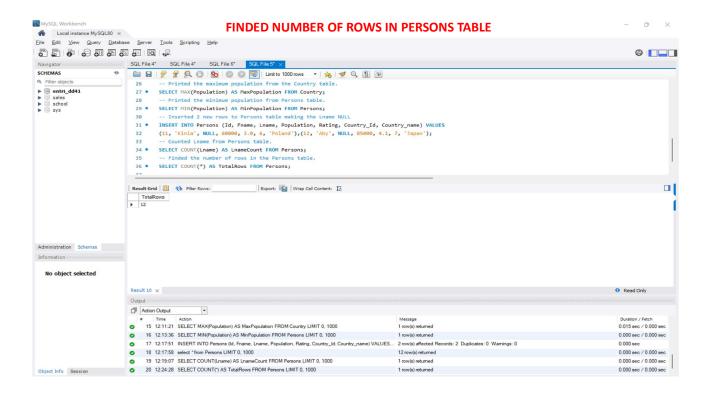| #	Time	Action	Message	Duration / Fetch
✓	11	11:48:29	select * from Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	12	12:02:48	SELECT SUBSTRING(Country_name, 1, 3) AS FirstThreeChars FROM Country LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	13	12:08:46	SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	14	12:09:21	SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	15	12:11:21	SELECT MAX(Population) AS MaxPopulation FROM Country LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
✓	16	12:13:36	SELECT MIN(Population) AS MinPopulation FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

INSERTED 2 NEW ROWS TO PERSONS TABLE MAKING LNAME "NULL"


```
25  •  SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons;
26     -- Printed the maximum population from the Country table.
27  •  SELECT MAX(Population) AS MaxPopulation FROM Country;
28     -- Printed the minimum population from Persons table.
29  •  SELECT MIN(Population) AS MinPopulation FROM Persons;
30     -- Inserted 2 new rows to Persons table making the Lname NULL
31  •  INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
32     (11, 'Kinia', NULL, 60000, 3.0, 6, 'Poland'),(12, 'Aby', NULL, 85000, 4.1, 7, 'Japan');
33
34
35
```

Id	Fname	Lname	Population	Rating	Country_Id	Country_name
1	John	Kurian	250000	4.50	1	India
2	Soubhi	Borghol	300000	4.20	2	Syria
3	Sarfaraz	Khan	150000	3.80	3	Pakistan
4	Subhash	Raj	200000	4.70	1	India
5	Eyad	NULL	180000	4.00	2	Syria
6	Alice	White	120000	3.50	4	Poland
7	Peter	NULL	50000	2.00	5	England
8	Anna	Biji	70000	5.00	1	India
9	Lufi	One	90000	4.30	3	Japan
10	Maria	Ahmad	220000	4.80	2	Syria
11	Kinia	NULL	60000	3.00	6	Poland
12	Aby	NULL	85000	4.10	7	Japan
NULL	NULL	NULL	NULL	NULL	NULL	NULL

#	Time	Action	Message	Duration / Fetch
13	12:08:46	SELECT CONCAT(Fname, ' ', Lname) AS FullName FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
14	12:09:21	SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	12:11:21	SELECT MAX(Population) AS MaxPopulation FROM Country LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
16	12:13:36	SELECT MIN(Population) AS MinPopulation FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
17	12:17:51	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.000 sec
18	12:17:58	select * from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec

COUNTED LNAME FROM PERSONS TABLE


```
24     -- Counted the number of unique country names from Persons table.
25  •  SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons;
26     -- Printed the maximum population from the Country table.
27  •  SELECT MAX(Population) AS MaxPopulation FROM Country;
28     -- Printed the minimum population from Persons table.
29  •  SELECT MIN(Population) AS MinPopulation FROM Persons;
30     -- Inserted 2 new rows to Persons table making the Lname NULL
31  •  INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
32     (11, 'Kinia', NULL, 60000, 3.0, 6, 'Poland'),(12, 'Aby', NULL, 85000, 4.1, 7, 'Japan');
33     -- Counted Lname from Persons table.
34  •  SELECT COUNT(Lname) AS LnameCount FROM Persons;
```

LnameCount
8

#	Time	Action	Message	Duration / Fetch
14	12:09:21	SELECT COUNT(DISTINCT Country_name) AS UniqueCountryCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	12:11:21	SELECT MAX(Population) AS MaxPopulation FROM Country LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
16	12:13:36	SELECT MIN(Population) AS MinPopulation FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
17	12:17:51	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.000 sec
18	12:17:58	select * from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
19	12:19:07	SELECT COUNT(Lname) AS LnameCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4*   SQL File 4*   SQL File 6*   SQL File 5* ×

Limit to 1000 rows

```
26      -- Printed the maximum population from the Country table.
27  •   SELECT MAX(Population) AS MaxPopulation FROM Country;
28      -- Printed the minimum population from Persons table.
29  •   SELECT MIN(Population) AS MinPopulation FROM Persons;
30      -- Inserted 2 new rows to Persons table making the Lname NULL
31  •   INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
32      (11, 'Kinia', NULL, 60000, 3.0, 6, 'Poland'),(12, 'Aby', NULL, 85000, 4.1, 7, 'Japan');
33      -- Counted Lname from Persons table.
34  •   SELECT COUNT(Lname) AS LnameCount FROM Persons;
35      -- Finded the number of rows in the Persons table.
36  •   SELECT COUNT(*) AS TotalRows FROM Persons;
```
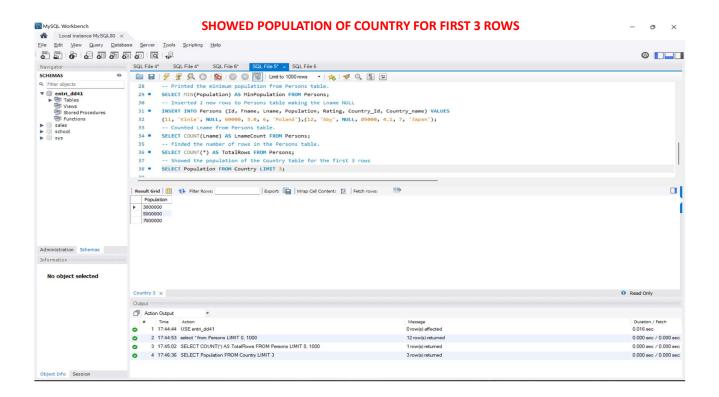
Result Grid | Filter Rows: Export: | Wrap Cell Content: IA

TotalRows
12

Result 10 ×

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 15	12:11:21	SELECT MAX(Population) AS MaxPopulation FROM Country LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
✓ 16	12:13:36	SELECT MIN(Population) AS MinPopulation FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 17	12:17:51	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.000 sec
✓ 18	12:17:58	select *from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓ 19	12:19:07	SELECT COUNT(Lname) AS LnameCount FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 20	12:24:28	SELECT COUNT(*) AS TotalRows FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4*   SQL File 4*   SQL File 6*   SQL File 5* ×   SQL File 6

Limit to 1000 rows

```
28      -- Printed the minimum population from Persons table.
29  •   SELECT MIN(Population) AS MinPopulation FROM Persons;
30      -- Inserted 2 new rows to Persons table making the Lname NULL
31  •   INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
32      (11, 'Kinia', NULL, 60000, 3.0, 6, 'Poland'),(12, 'Aby', NULL, 85000, 4.1, 7, 'Japan');
33      -- Counted Lname from Persons table.
34  •   SELECT COUNT(Lname) AS LnameCount FROM Persons;
35      -- Finded the number of rows in the Persons table.
36  •   SELECT COUNT(*) AS TotalRows FROM Persons;
37      -- Showed the population of the Country table for the first 3 rows
38  •   SELECT Population FROM Country LIMIT 3;
```

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

Population
3000000
5000000
7000000

Country 3 ×

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	17:44:44	USE entri_dd41	0 row(s) affected	0.016 sec
✓ 2	17:44:53	select *from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓ 3	17:45:02	SELECT COUNT(*) AS TotalRows FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 4	17:46:36	SELECT Population FROM Country LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec

PRINTED 3 RANDOM ROWS OF COUNTRIES

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

SQL File 4* SQL File 4* SQL File 6* SQL File 5* SQL File 6

Limit to 1000 rows

```
30    -- Inserted 2 new rows to Persons table making the Lname NULL
31    INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES
32    (11, 'Kinia', NULL, 60000, 3.0, 6, 'Poland'),(12, 'Aby', NULL, 85000, 4.1, 7, 'Japan');
33    -- Counted Lname from Persons table.
34    SELECT COUNT(Lname) AS LnameCount FROM Persons;
35    -- Finded the number of rows in the Persons table.
36    SELECT COUNT(*) AS TotalRows FROM Persons;
37    -- Showed the population of the Country table for the first 3 rows
38    SELECT Population FROM Country LIMIT 3;
39    -- Printed 3 random rows of countries
40    SELECT * FROM Country ORDER BY RAND() LIMIT 3;
```

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

Id	Country_name	Population	Area
3	Pakistan	7000000	150000
4	Poland	2000000	50000
8	Nepal	4000000	180000
NULL	NULL	NULL	NULL

Country 4

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	17:44:44	USE entri_dd41	0 row(s) affected	0.016 sec
2	17:44:53	select * from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
3	17:45:02	SELECT COUNT(*) AS TotalRows FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
4	17:46:36	SELECT Population FROM Country LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
5	17:47:04	SELECT * FROM Country ORDER BY RAND() LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec

---

LISTED ALL PERSONS ORDER BY THEIR RATING IN DESCENDING ORDER

File Edit View Query Database Server Tools Scripting Help

SQL File 4* SQL File 4* SQL File 6* SQL File 5* SQL File 6

Limit to 1000 rows

```
32    (11, 'Kinia', NULL, 60000, 3.0, 6, 'Poland'),(12, 'Aby', NULL, 85000, 4.1, 7, 'Japan');
33    -- Counted Lname from Persons table.
34    SELECT COUNT(Lname) AS LnameCount FROM Persons;
35    -- Finded the number of rows in the Persons table.
36    SELECT COUNT(*) AS TotalRows FROM Persons;
37    -- Showed the population of the Country table for the first 3 rows
38    SELECT Population FROM Country LIMIT 3;
39    -- Printed 3 random rows of countries
40    SELECT * FROM Country ORDER BY RAND() LIMIT 3;
41    -- Listed all persons ordered by their rating in descending order
42    SELECT * FROM Persons ORDER BY Rating DESC;
```

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

Id	Fname	Lname	Population	Rating	Country_Id	Country_name
8	Anna	Biji	70000	5.00	1	India
10	Maria	Ahmad	220000	4.80	2	Syria
4	Subhash	Raj	200000	4.70	1	India
1	John	Kurian	250000	4.50	1	India
9	Lufi	One	90000	4.30	3	Japan
2	Soubhi	Borghol	300000	4.20	2	Syria
12	Aby	NULL	85000	4.10	7	Japan
5	Eyad	NULL	180000	4.00	2	Syria
3	Sarfaraz	Khan	150000	3.80	3	Pakistan
6	Alice	White	120000	3.50	4	Poland
11	Kinia	NULL	60000	3.00	6	Poland
7	Peter	NULL	50000	2.00	5	England
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Persons 5

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	17:44:44	USE entri_dd41	0 row(s) affected	0.016 sec
2	17:44:53	select * from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
3	17:45:02	SELECT COUNT(*) AS TotalRows FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
4	17:46:36	SELECT Population FROM Country LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
5	17:47:04	SELECT * FROM Country ORDER BY RAND() LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
6	17:47:32	SELECT * FROM Persons ORDER BY Rating DESC LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec

FINDED TOTAL POPULATION FOR EACH COUNTRY IN PERSONS TABLE

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4"   SQL File 4"   SQL File 6"   SQL File 5" ×   SQL File 6

Limit to 1000 rows

```
34 •    SELECT COUNT(Lname) AS LnameCount FROM Persons;
35      -- Finded the number of rows in the Persons table.
36 •    SELECT COUNT(*) AS TotalRows FROM Persons;
37      -- Showed the population of the Country table for the first 3 rows
38 •    SELECT Population FROM Country LIMIT 3;
39      -- Printed 3 random rows of countries
40 •    SELECT * FROM Country ORDER BY RAND() LIMIT 3;
41      -- Listed all persons ordered by their rating in descending order
42 •    SELECT * FROM Persons ORDER BY Rating DESC;
43      -- Finded the total population for each country in the Persons table
44 •    SELECT Country_name, SUM(Population) AS Total_Population FROM Persons GROUP BY Country_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Country_name	Total_Population
India	520000
Syria	700000
Pakistan	150000
Poland	180000
England	50000
Japan	175000

Result 6 ×   ⓘ Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	2	17:44:53	select * from Persons LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓	3	17:45:02	SELECT COUNT(*) AS TotalRows FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	4	17:46:36	SELECT Population FROM Country LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
✓	5	17:47:04	SELECT * FROM Country ORDER BY RAND() LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
✓	6	17:47:32	SELECT * FROM Persons ORDER BY Rating DESC LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓	7	17:48:15	SELECT Country_name, SUM(Population) AS Total_Population FROM Persons GROUP BY Country...	6 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

FINDED COUNTRIES IN THE PERSONS TABLE WITH POPULATION GREATER THAN 50,000

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4"   SQL File 4"   SQL File 6"   SQL File 5" ×   SQL File 6

Limit to 1000 rows

```
37      -- Showed the population of the Country table for the first 3 rows
38 •    SELECT Population FROM Country LIMIT 3;
39      -- Printed 3 random rows of countries
40 •    SELECT * FROM Country ORDER BY RAND() LIMIT 3;
41      -- Listed all persons ordered by their rating in descending order
42 •    SELECT * FROM Persons ORDER BY Rating DESC;
43      -- Finded the total population for each country in the Persons table
44 •    SELECT Country_name, SUM(Population) AS Total_Population FROM Persons GROUP BY Country_name;
45      -- Finded countries in the Persons table with a total population greater than 50,000
46 •    SELECT Country_name, SUM(Population) AS Total_Population FROM Persons GROUP BY Country_name
47      HAVING Total_Population > 50000;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Country_name	Total_Population
India	520000
Syria	700000
Pakistan	150000
Poland	180000
Japan	175000

Result 7 ×   ⓘ Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	3	17:45:02	SELECT COUNT(*) AS TotalRows FROM Persons LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	4	17:46:36	SELECT Population FROM Country LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
✓	5	17:47:04	SELECT * FROM Country ORDER BY RAND() LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
✓	6	17:47:32	SELECT * FROM Persons ORDER BY Rating DESC LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓	7	17:48:15	SELECT Country_name, SUM(Population) AS Total_Population FROM Persons GROUP BY Country...	6 row(s) returned	0.000 sec / 0.000 sec
✓	8	17:49:02	SELECT Country_name, SUM(Population) AS Total_Population FROM Persons GROUP BY Country...	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

LISTED TOTAL NUMBER OF PERSONS AVERAGE RATING FOR EACH COUNTRY,BUT ONLYFOR COUNTRIESWITH MORE THAN 2 PERSONS AND ORDERED THE AVERAGE RATE N ASCENDING ORDER