

CREATED 2 TABLES (COUNTRY, PERSONS)

MySQL Workbench - Local instance MySQL80

Navigator: Filter objects

- entri_dd41
 - Tables
 - country
 - customers
 - employees
 - orders
 - products
 - students
 - Views
 - Stored Procedures
 - Functions
 - sales
 - school
 - sys

Administration Schemas

Information

No object selected

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

```
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

#	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

Object Info Session

INSERTED ROWS INTO COUNTRY TABLE

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No object selected

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

```
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

Country 1 x

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, Area...	0 row(s) affected	0.032 sec
6	11:27:30	CREATE TABLE Persons (Id INT PRIMARY KEY, Fname VARCHAR(100), Lname VARCHAR(100), P...	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 Country LIMIT 0, 1000	Error Code: 1146, Table 'entri_dd41.country' 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

Object Info Session

INSERTED ROWS INTO PERSONS TABLE

MySQL Workbench interface showing the execution of SQL queries to insert data into the Persons table.

SQL File 4:

```
9 (4, 'Poland', 200000, 50000),(5, 'England', 600000, 120000),(6, 'France', 800000, 30000),
10 (7, 'Italy', 900000, 250000),(8, 'Nepal', 400000, 180000),(9, 'Iran', 350000, 110000),(10, 'Japan', 450000, 160000);
11 select * from Persons;
12
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
```

Result Grid:

	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		180000	4.00	2	Syria
	6	Alice	White	120000	3.50	4	Poland
	7	Peter		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

Persons 2

Action Output:

#	Time	Action	Message	Duration / Fetch
6	11:27:30	CREATE TABLE Persons (Id INT PRIMARY KEY,Fname VARCHAR(100),Lname VARCHAR(100),P...	0 row(s) affected	0.032 sec
7	11:38:38	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'India', 3000000, 100000)(L...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
8	11:38:59	select * from Cuntry LIMIT 0, 1000	Error Code: 1146. Table 'entri_dd41.cuntry' 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

PRINTED FIRST 3 CHARACTERS OF COUNTRY NAME FROM COUNTRY TABLE

MySQL Workbench interface showing the execution of SQL queries to print the first three characters of the country name from the Country table.

SQL File 5:

```
11 select * from Persons;
12
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
```

Result Grid:

	FirstThreeChars
▶	Ind
	Syr
	Pak
	Pol
	Eng
	Fra
	Ita
	Nep
	Iran
	Jap

Result 3

Action Output:

#	Time	Action	Message	Duration / Fetch
7	11:38:38	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'India', 3000000, 100000)(L...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
8	11:38:59	select * from Cuntry LIMIT 0, 1000	Error Code: 1146. Table 'entri_dd41.cuntry' 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

CONCATENATE FIRST NAME AND LAST NAME FROM PERSONS TABLE

MySQL Workbench interface showing a SQL query and its results.

SQL Query:

```
-- 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
Alice White
Anna Biji
Lufi One
Maria Ahmad

Output:

#	Time	Action	Message	Duration / Fetch
8	11:38:59	select * from Country LIMIT 0. 1000	Error Code: 1146. Table 'entri_dd41.country' 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

MySQL Workbench interface showing a SQL query and its results.

SQL Query:

```
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:

#	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

PRINTED MAXIMUM POPULATION FROM COUNTRY TABLE

MySQL Workbench interface showing a SQL query and its results.

SQL Query:

```
17 (7, 'Peter', NULL, 50000, 2.0, 5, 'England'), (6, '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;
26 -- Printed the maximum population from the Country table.
27 • SELECT MAX(Population) AS MaxPopulation FROM Country;
```

Result Grid:

Column	Value
MaxPopulation	900000

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(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

PRINTED THE MINIMUM POPULATION FROM PERSONS TABLE

MySQL Workbench interface showing a SQL query and its results.

SQL Query:

```
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:

Column	Value
MinPopulation	50000

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

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

The screenshot shows the MySQL Workbench interface with a SQL script executed. The script includes queries to count unique country names, find maximum and minimum population, and insert two new rows into the Persons table with NULL last names. The result grid displays the current state of the 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
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		180000	4.00	2	Syria
6	Alice	White	120000	3.50	4	Poland
7	Peter		50000	2.00	5	England
8	Anna	Bj	70000	5.00	1	India
9	Luft	Ome	90000	4.30	3	Japan
10	Maria	Ahmad	220000	4.80	2	Syria
11	Kinia		60000	3.00	6	Poland
12	Aby		85000	4.10	7	Japan

Persons 8 x

#	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

The screenshot shows the MySQL Workbench interface with a SQL script executed. The script includes queries to count unique country names, find maximum and minimum population, insert two new rows into the Persons table with NULL last names, and a final query to count the number of last names in the Persons table. The result grid displays the count of last names.

```
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

Result 9 x

#	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

FINDED NUMBER OF ROWS IN PERSONS TABLE

MySQL Workbench interface showing a SQL query and its results.

SQL Query:

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

Result Grid:

Table	Value
TotalRows	12

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

SHOWED POPULATION OF COUNTRY FOR FIRST 3 ROWS

MySQL Workbench interface showing a SQL query and its results.

SQL Query:

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

Result Grid:

Population
3000000
5000000
7000000

Country 3:

Country	Population
6	60000
7	85000
8	1000000

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

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

entri_dd41

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

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

Administration Schemas

Information

No object selected

Object Info Session

Country 4 x

Apply Revert

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

PRINTED 3 RANDOM ROWS OF COUNTRIES

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Local instance MySQL80

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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

	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	8	Anna	Bij	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		85000	4.10	7	Japan
	5	Eyad		180000	4.00	2	Syria
	3	Sarfaraz	Khan	150000	3.80	3	Pakistan
	6	Alice	White	120000	3.50	4	Poland
	11	Knie		60000	3.00	6	Poland
	7	Peter		50000	2.00	5	England

Administration Schemas

Information

No object selected

Object Info Session

Persons 5 x

Apply Revert

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

LISTED ALL PERSONS ORDER BY THEIR RATING IN DESCENDING ORDER

FINDED TOTAL POPULATION FOR EACH COUNTRY IN PERSONS TABLE

MySQL Workbench

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

```

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

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

Administration Schemas

Information

No object selected

Result 6

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

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```

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

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

Administration Schemas

Information

No object selected

Result 7

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

MySQL Workbench

Local instance MySQL80

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

Limit to 1000 rows

```
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;
48 -- List the total number of persons and average rating for each country, but only for countries,
49 -- with more than 2 persons, ordered by the average rating in ascending order.
50 • SELECT Country_name, COUNT(*) AS Total_Persons, AVG(Rating) AS Average_Rating FROM Persons GROUP BY Country_name
51   HAVING COUNT(*) > 2 ORDER BY Average_Rating ASC;
52
53
54
```

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

	Country_name	Total_Persons	Average_Rating
▶	Syria	3	4.333333
▶	India	3	4.733333

Administration Schemas

Information

No object selected

Result 8 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 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
✓ 9	17:50:10	SELECT Country_name, COUNT(*) AS Total_Persons, AVG(Rating) AS Average_Rating FROM Pers...	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session