

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✓	1	23:51:13	CREATE DATABASE CP	1 row(s) affected	0.000 sec
✓	2	23:51:15	use CP	0 row(s) affected	0.000 sec
✓	3	23:51:18	CREATE TABLE Country (Id INT PRIMARY KEY, Country_name VARCHAR(255), Population INT, A...	0 row(s) affected	0.016 sec
✓	4	23:51:21	CREATE TABLE Persons (Id INT PRIMARY KEY, Fname VARCHAR(255), Lname VARCHAR(255), ...	0 row(s) affected	0.031 sec
✓	5	23:51:28	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'USA', 331002651, 9833517), (2, 'Ca...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓	6	23:51:32	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES (1, 'John', ...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✓	7	23:51:36	SELECT DISTINCT Country_name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	8	23:52:27	SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	9	23:52:55	SELECT * FROM Persons WHERE Rating > 4.0 LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
✓	10	23:53:30	SELECT Country_name FROM Country WHERE Population > 1000000 LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	11	23:53:58	SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓	12	23:54:33	SELECT * FROM Persons WHERE Country_name IS NULL LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓	13	23:54:57	SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
✓	14	23:55:35	SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia') LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓	15	23:55:55	SELECT Country_name FROM Country WHERE Population BETWEEN 500000 AND 2000000 LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓	16	23:56:20	SELECT Country_name FROM Country WHERE Country_name NOT LIKE 'C%' LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

SCHEMAS

Filter objects

company

entry_d41

sales

school

sys

testdb

Administration

Schemas

Information

No object selected

Object Info

Session

Limit to 1000 rows

Star

Search

Filter

Refresh

45

(9, 'Sophia', 'Taylor', 1393409038, 4.1, 9, 'China'),

46

(10, 'Benjamin', 'Anderson', 212559417, 4.3, 10, 'Brazil');

47

48

-- Query 1: List the distinct country names from the Persons table

49

• SELECT DISTINCT Country_name FROM Persons;

50

51

-- Query 2: Select first names and last names from the Persons table with aliases

52

• SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Country_name
▶	USA
	Canada
	UK
	India
	Australia
	Germany
	France
	Japan
	China
	Brazil

Persons 1

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration /
✓ 3	23:51:18	CREATE TABLE Country (Id INT PRIMARY KEY, Country_name VARCHAR(255), Population INT, ...	0 row(s) affected	0.016 sec
✓ 4	23:51:21	CREATE TABLE Persons (Id INT PRIMARY KEY, Fname VARCHAR(255), Lname VARCHAR(255), ...	0 row(s) affected	0.031 sec
✓ 5	23:51:28	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'USA', 331002651, 9833517), (2, 'C...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓ 6	23:51:32	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES (1, 'John...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✓ 7	23:51:36	SELECT DISTINCT Country_name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec

Automatic context help is disabled. Use the toolbar to manually get help at the current caret position or to toggle automatic help.

Navigator

SCHEMAS

Filter objects

- company
- entry_d41
- sales
- school
- sys
- testdb

Query 1 School Sales Company - 3 SQL File 6*

Limit to 1000 rows

```
-- Query 1: List the distinct country names from the Persons table
SELECT DISTINCT Country_name FROM Persons;

-- Query 2: Select first names and last names from the Persons table with aliases
SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons;

-- Query 3: Find all persons with a rating greater than 4.0
SELECT * FROM Persons WHERE Rating > 4.0;
```

Result Grid

Filter Rows: Export: Wrap Cell Content:

	First_Name	Last_Name
▶	John	Doe
	Jane	Smith
	Mary	Johnson
	Michael	Brown
	Emily	Davis
	James	Miller
	Olivia	Wilson
	Liam	Moore
	Sophia	Taylor
	Benjamin	Anderson

Administration Schemas

Information

No object selected

Persons 2 x Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 4	23:51:21	CREATE TABLE Persons (Id INT PRIMARY KEY, Fname VARCHAR(255), Lname VARCHAR(255), ...	0 row(s) affected	0.031 sec
✓ 5	23:51:28	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'USA', 331002651, 9833517), (2, C...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
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✓ 7	23:51:36	SELECT DISTINCT Country_name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.0
✓ 8	23:52:27	SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.0

Object Info Session

SQLAdditions

Automatic context help is disabled the toolbar to manually get help the current caret position or to automatic help.

SCHEMAS

Filter objects

company

entry_d41

sales

school

sys

testdb

Administration

Schemas

No object selected

Object Info

Session

Limit to 1000 rows

-- Query 2: Select first names and last names from the Persons table with aliases

SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons;

-- Query 3: Find all persons with a rating greater than 4.0

SELECT * FROM Persons WHERE Rating > 4.0;

-- Query 4: Find countries with a population greater than 10 lakhs

SELECT Country_name FROM Country WHERE Population > 1000000;

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	1	John	Doe	331002651	4.8	1	USA
	2	Jane	Smith	37742154	4.5	2	Canada
	3	Mary	Johnson	67886011	4.9	3	UK
	4	Michael	Brown	1380004385	4.7	4	India
	6	James	Miller	83783942	4.6	6	Germany
	7	Olivia	Wilson	67022000	5.0	7	France
	8	Liam	Moore	126476461	4.2	8	Japan
	9	Sophia	Taylor	1393409038	4.1	9	China
	10	Benjamin	Anderson	212559417	4.3	10	Brazil
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Persons 3 x

Apply

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 5	23:51:28	INSERT INTO Country (Id, Country_name, Population, Area) VALUES (1, 'USA', 331002651, 9833517), (2, 'C...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
✓ 6	23:51:32	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES (1, 'John...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✓ 7	23:51:36	SELECT DISTINCT Country_name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 se
✓ 8	23:52:27	SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 se
✓ 9	23:52:55	SELECT * FROM Persons WHERE Rating > 4.0 LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 se

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Navigator

SCHEMAS

Filter objects

- company
- entry_d41
- sales
- school
- sys
- testdb

Administration Schemas

Information

No object selected

Object Info Session

Query 1 School Sales Company - 3 SQL File 6

Limit to 1000 rows

```

54 -- Query 3: Find all persons with a rating greater than 4.0
55 • SELECT * FROM Persons WHERE Rating > 4.0;
56
57 -- Query 4: Find countries with a population greater than 10 lakhs
58 • SELECT Country_name FROM Country WHERE Population > 1000000;
59
60 -- Query 5: Find persons who are from 'USA' or have a rating greater than 4.5
61 • SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5;
    
```

Result Grid Filter Rows: Export: Wrap Cell Content:

Country_name
USA
Canada
UK
India
Australia
Germany
France
Japan
China
Brazil

Country 4

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message
6	23:51:32	INSERT INTO Persons (Id, Fname, Lname, Population, Rating, Country_Id, Country_name) VALUES (1, 'John...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0
7	23:51:36	SELECT DISTINCT Country_name FROM Persons LIMIT 0, 1000	10 row(s) returned
8	23:52:27	SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons LIMIT 0, 1000	10 row(s) returned
9	23:52:55	SELECT * FROM Persons WHERE Rating > 4.0 LIMIT 0, 1000	9 row(s) returned
10	23:53:30	SELECT Country_name FROM Country WHERE Population > 1000000 LIMIT 0, 1000	10 row(s) returned

SQLAdditions

Automatic content
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Result
Grid

Form
Editor

Field
Types

SCHEMAS

Filter objects

- company
- entry_d41
- sales
- school
- sys
- testdb

Administration Schemas

Information

No object selected

Object Info Session

Limit to 1000 rows

```
57 -- Query 4: Find countries with a population greater than 10 lakhs
58 • SELECT Country_name FROM Country WHERE Population > 1000000;
59
60 -- Query 5: Find persons who are from 'USA' or have a rating greater than 4.5
61 • SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5;
62
63 -- Query 6: Find all persons where the country name is NULL
64 • SELECT * FROM Persons WHERE Country_name IS NULL;
```

Result Grid

	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	1	John	Doe	331002651	4.8	1	USA
	3	Mary	Johnson	67886011	4.9	3	UK
	4	Michael	Brown	1380004385	4.7	4	India
	6	James	Miller	83783942	4.6	6	Germany
	7	Olivia	Wilson	67022000	5.0	7	France
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Persons 5 x

Apply Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration
✓ 7	23:51:36	SELECT DISTINCT Country_name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec
✓ 8	23:52:27	SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons LIMIT 0, 1000	10 row(s) returned	0.000 sec
✓ 9	23:52:55	SELECT * FROM Persons WHERE Rating > 4.0 LIMIT 0, 1000	9 row(s) returned	0.000 sec
✓ 10	23:53:30	SELECT Country_name FROM Country WHERE Population > 1000000 LIMIT 0, 1000	10 row(s) returned	0.000 sec
✓ 11	23:53:58	SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5 LIMIT 0, 1000	5 row(s) returned	0.000 sec

Automatic context help is disabled. Use the toolbar to manually get help at the current caret position or to toggle automatic help.

Result Grid

Form Editor

Field Types

Apply Context Help Snippets

Filter objects

- ▶ company
- ▶ entry_d41
- ▶ sales
- ▶ school
- ▶ sys
- ▶ testdb

Administration Schemas

Information

No object selected

Object Info Session

The screenshot shows the SQL Developer interface. The top toolbar includes icons for file operations, editing, and execution. Below the toolbar, three SQL queries are entered in the script editor:

```

58 • SELECT Country_name FROM Country WHERE Population > 1000000;
59
60 -- Query 5: Find persons who are from 'USA' or have a rating greater than 4.5
61 • SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5;
62
63 -- Query 6: Find all persons where the country name is NULL
64 • SELECT * FROM Persons WHERE Country_name IS NULL;
65

```

Below the script editor is the "Result Grid" section. It features a toolbar with options like "Filter Rows:", "Edit:", "Export/Import:", and "Wrap Cell Content:". The main area displays a single row of results for the last query:

	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

On the right side of the interface, there is a vertical sidebar with buttons for "Result Grid", "Form Editor", and "Field Types". At the bottom left, a tab labeled "Persons 6 x" is visible.

Automatic context help
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Output

Action Output

#	Time	Action	Message
8	23:52:27	SELECT Fname AS First_Name, Lname AS Last_Name FROM Persons LIMIT 0, 1000	10 row(s) returned
9	23:52:55	SELECT * FROM Persons WHERE Rating > 4.0 LIMIT 0, 1000	9 row(s) returned
10	23:53:30	SELECT Country_name FROM Country WHERE Population > 1000000 LIMIT 0, 1000	10 row(s) returned
11	23:53:58	SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5 LIMIT 0, 1000	5 row(s) returned
12	23:54:33	SELECT * FROM Persons WHERE Country_name IS NULL LIMIT 0, 1000	0 row(s) returned

Navigator

Schemas

Filter objects

- company
- entry_d41
- sales
- school
- sys
- testdb

```
-- Query 5: Find persons who are from 'USA' or have a rating greater than 4.5
61 • SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5;
62
-- Query 6: Find all persons where the country name is NULL
63
64 • SELECT * FROM Persons WHERE Country_name IS NULL;
65
-- Query 7: Find all persons from the countries 'USA', 'Canada', and 'UK'
66
67 • SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK');
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	1	John	Doe	331002651	4.8	1	USA
	2	Jane	Smith	37742154	4.5	2	Canada
	3	Mary	Johnson	67886011	4.9	3	UK
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Administration Schemas

Information

No object selected

Object Info Session

Persons 7 x

Apply Context Help Snippets

Output

Action Output

#	Time	Action	Message	Dura
✓ 9	23:52:55	SELECT * FROM Persons WHERE Rating > 4.0 LIMIT 0, 1000	9 row(s) returned	0.00
✓ 10	23:53:30	SELECT Country_name FROM Country WHERE Population > 1000000 LIMIT 0, 1000	10 row(s) returned	0.00
✓ 11	23:53:58	SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5 LIMIT 0, 1000	5 row(s) returned	0.00
✓ 12	23:54:33	SELECT * FROM Persons WHERE Country_name IS NULL LIMIT 0, 1000	0 row(s) returned	0.00
✓ 13	23:54:57	SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK') LIMIT 0, 1000	3 row(s) returned	0.00

SQL Additions

Automatic context help is di
the toolbar to manually ge
the current caret position o
automatic help.

Navigation

SCHEMAS

Filter objects

company

entry_d41

sales

school

sys

testdb

Administration

Schemas

No object selected

Object Info

Session

Query 1 School Sales Company - 3 SQL File 6* x

Limit to 1000 rows

SQL Editor

-- Query 6: Find all persons where the country name is NULL

64 • SELECT * FROM Persons WHERE Country_name IS NULL;

65

-- Query 7: Find all persons from the countries 'USA', 'Canada', and 'UK'

67 • SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK');

68

-- Query 8: Find all persons not from the countries 'India' and 'Australia'

70 • SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia');

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	1	John	Doe	331002651	4.8	1	USA
	2	Jane	Smith	37742154	4.5	2	Canada
	3	Mary	Johnson	67886011	4.9	3	UK
	6	James	Miller	83783942	4.6	6	Germany
	7	Olivia	Wilson	67022000	5.0	7	France
	8	Liam	Moore	126476461	4.2	8	Japan
	9	Sophia	Taylor	1393409038	4.1	9	China
	10	Benjamin	Anderson	212559417	4.3	10	Brazil
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Persons 8 x

Apply

Context Help

Snippets

Output

Action Output

#	Time	Action	Message
✓ 10	23:53:30	SELECT Country_name FROM Country WHERE Population > 1000000 LIMIT 0, 1000	10 row(s) returned
✓ 11	23:53:58	SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5 LIMIT 0, 1000	5 row(s) returned
✓ 12	23:54:33	SELECT * FROM Persons WHERE Country_name IS NULL LIMIT 0, 1000	0 row(s) returned
✓ 13	23:54:57	SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK') LIMIT 0, 1000	3 row(s) returned
✓ 14	23:55:35	SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia') LIMIT 0, 1000	8 row(s) returned

SQLAdditions

Automatic context
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the current caret
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SCHEMAS

Filter objects

- company
- entry_d41
- sales
- school
- sys
- testdb

Administration Schemas

Information

No object selected

Object Info Session

```

66 -- Query 7: Find all persons from the countries 'USA', 'Canada', and 'UK'
67 • SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK');
68
69 -- Query 8: Find all persons not from the countries 'India' and 'Australia'
70 • SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia');
71
72 -- Query 9: Find all countries with a population between 5 lakhs and 20 lakhs
73 • SELECT Country_name FROM Country WHERE Population BETWEEN 500000 AND 2000000;
    
```

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

Country_name

Result Grid

Form Editor

Field Types

Automatic context help is the toolbar to manually the current caret position automatic help

Country 9 x Read Only Context Help Snippets

Output

Action Output				
#	Time	Action	Message	
✓ 11	23:53:58	SELECT * FROM Persons WHERE Country_name = 'USA' OR Rating > 4.5 LIMIT 0, 1000	5 row(s) returned	0
✓ 12	23:54:33	SELECT * FROM Persons WHERE Country_name IS NULL LIMIT 0, 1000	0 row(s) returned	0
✓ 13	23:54:57	SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK') LIMIT 0, 1000	3 row(s) returned	0
✓ 14	23:55:35	SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia') LIMIT 0, 1000	8 row(s) returned	0
✓ 15	23:55:55	SELECT Country_name FROM Country WHERE Population BETWEEN 500000 AND 2000000 LIMIT 0, 1000	0 row(s) returned	0

Navigator

SCHEMAS

Filter objects

company

entry_d41

sales

school

sys

testdb

Administration Schemas

Information

No object selected

Object Info Session

Query 1 School Sales Company - 3 SQL File 9

Limit to 1000 rows

69 -- Query 8: Find all persons not from the countries 'India' and 'Australia'

70 • SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia');

71

72 -- Query 9: Find all countries with a population between 5 lakhs and 20 lakhs

73 • SELECT Country_name FROM Country WHERE Population BETWEEN 500000 AND 2000000;

74

75 -- Query 10: Find all countries whose names do not start with 'C'

76 • SELECT Country_name FROM Country WHERE Country_name NOT LIKE 'C%';

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Country_name

USA

UK

India

Australia

Germany

France

Japan

Brazil

Country 10

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	23:54:33	SELECT * FROM Persons WHERE Country_name IS NULL LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 13	23:54:57	SELECT * FROM Persons WHERE Country_name IN ('USA', 'Canada', 'UK') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
✓ 14	23:55:35	SELECT * FROM Persons WHERE Country_name NOT IN ('India', 'Australia') LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 15	23:55:55	SELECT Country_name FROM Country WHERE Population BETWEEN 500000 AND 2000000 LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 16	23:56:20	SELECT Country_name FROM Country WHERE Country_name NOT LIKE 'C%' LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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Read Only Context Help Snippets