

MySQL Workbench

Local instance MySQL80 x Local instance x

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 Limit to 1000 rows

SCHEMAS

Filter objects

- dal
- javainternal
- my_project
- oppj
- pc_export
- sakila
- sm
- sys
- user
- vishnu**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- world

Administration Schemas

Information

Schema: vishnu

```
1
2 CREATE TABLE employees (
3     emp_id INT PRIMARY KEY,
4     emp_name VARCHAR(100),
5     dept_id INT,
6     salary DECIMAL(10, 2),
7     hire_date DATE,
8     FOREIGN KEY (dept_id) REFERENCES departments(dept_id)
9 );
10
11 CREATE TABLE departments (
12     dept_id INT PRIMARY KEY,
13     dept_name VARCHAR(100),
14     location VARCHAR(100)
15 );
16
17 INSERT INTO departments VALUES
18 (10, 'Engineering', 'New York'),
19 (20, 'Marketing', 'Chicago'),
20 (30, 'HR', 'San Francisco');
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	16:05:58	INSERT INTO employees VALUES (1, 'Alice', 10, 60000, '2021-05-10'), (2, 'Bob', 20, 55000, '2020-03-15'), (3, '...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
5	16:09:43	SELECT emp_name, salary FROM employees WHERE salary > 60000 ORDER BY salary DESC LIMIT 0, 10...	2 row(s) returned	0.015 sec / 0.000 sec
6	16:12:23	SELECT e.emp_name, d.dept_name FROM employees e INNER JOIN departments d ON e.dept_id = d.dept...	5 row(s) returned	0.000 sec / 0.000 sec
7	16:12:44	SELECT e.emp_name, d.dept_name FROM employees e LEFT JOIN departments d ON e.dept_id = d.dept...	5 row(s) returned	0.000 sec / 0.000 sec
8	16:12:58	SELECT emp_name, salary FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) LIM...	2 row(s) returned	0.000 sec / 0.000 sec
9	16:13:13	CREATE VIEW high_earners AS SELECT emp_name, salary FROM employees WHERE salary > 60000	0 row(s) affected	0.015 sec

Object Info Session

Query interrupted

30°C Haze

Search

ENG IN

16:21 29-05-2025

```
INSERT INTO departments VALUES
(10, 'Engineering', 'New York'),
(20, 'Marketing', 'Chicago'),
(30, 'HR', 'San Diego');
```

```
INSERT INTO employees VALUES
(1, 'Alice', 10, 60000, '2021-05-10'),
(2, 'Bob', 20, 55000, '2020-03-15'),
(3, 'Charlie', 10, 70000, '2019-07-01'),
(4, 'David', 30, 50000, '2022-01-20'),
(5, 'Eve', 20, 65000, '2018-11-11');
```

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Navigator: Query 1 x

Schemas

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Administration Schemas

Information

Schema: vishnu

```
25 (2, 'Bob', 20, 55000, '2020-03-15'),
26 (3, 'Charlie', 10, 70000, '2019-07-01'),
27 (4, 'David', 30, 50000, '2022-01-20'),
28 (5, 'Eve', 20, 65000, '2018-11-11');
29
30
31 -- SELECT, WHERE, ORDER BY --
32 SELECT emp_name, salary
33 FROM employees
34 WHERE salary > 60000
35 ORDER BY salary DESC;
36
37
```

Result Grid

emp_name	salary
Charlie	70000.00
Eve	65000.00

employees 9 x

Query Completed

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Search

ENG IN

16:23 29-05-2025

MySQL Workbench

Local instance MySQL80 x Local instance x

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Navigator: Query 1 x

Schemas

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Administration Schemas

Information

Schema: vishnu

```
34 WHERE salary > 60000
35 ORDER BY salary DESC;
36
37
38 -- JOINS --
39 SELECT e.emp_name, d.dept_name
40 FROM employees e
41 INNER JOIN departments d ON e.dept_id = d.dept_id;
42
43
44 SELECT e.emp_name, d.dept_name
45 FROM employees e
46 LEFT JOIN departments d ON e.dept_id = d.dept_id;
```

Result Grid

emp_name	dept_name
Alice	Engineering
Charlie	Engineering
Bob	Marketing
Eve	Marketing
David	HR

Result 10 x

Output

Object Info Session

Query Completed

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Search

ENG IN

16:24 29-05-2025

MySQL Workbench

Local instance MySQL80 x Local instance x

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Navigator: Schemas

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Administration Schemas

Information

Schema: vishnu

Query 1

```
40 FROM employees e
41 -- Execute the selected portion of the script or everything, if there is no selection
42 -- IN the case of a table, the table name is used as a table name
43
44 SELECT e.emp_name, d.dept_name
45 FROM employees e
46 LEFT JOIN departments d ON e.dept_id = d.dept_id;
47
48
49 SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location
50 FROM employees e
51 RIGHT JOIN departments d ON e.dept_id = d.dept_id;
52
```

Result Grid

emp_name	dept_name
Alice	Engineering
Bob	Marketing
Charlie	Engineering
David	HR
Eve	Marketing

Result 13 x

Object Info Session

Query Completed

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Search

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16:25 29-05-2025

MySQL Workbench

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Administration Schemas

Information

Schema: vishnu

Query 1

```
40 FROM employees e
41 INNER JOIN departments d ON e.dept_id = d.dept_id;
42
43
44 SELECT e.emp_name, d.dept_name
45 FROM employees e
46 LEFT JOIN departments d ON e.dept_id = d.dept_id;
47
48
49 SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location
50 FROM employees e
51 RIGHT JOIN departments d ON e.dept_id = d.dept_id;
52
```

Result Grid

emp_id	emp_name	salary	dept_name	location
1	Alice	60000.00	Engineering	New York
3	Charlie	70000.00	Engineering	New York
2	Bob	55000.00	Marketing	Chicago
5	Eve	65000.00	Marketing	Chicago
4	David	50000.00	HR	San Diego

Result 14 x

Object Info Session

Query Completed

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Administration Schemas

Information

Schema: vishnu

Query 1

```
49 SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location
50 FROM employees e
51 RIGHT JOIN departments d ON e.dept_id = d.dept_id;
52
53 -- Subquery--
54 SELECT emp_name, salary
55 FROM employees
56 WHERE salary > (SELECT AVG(salary) FROM employees);
57
58 -- Create View--
59 CREATE VIEW high_earners AS
60 SELECT emp_name, salary
61 FROM employees
```

Result Grid

emp_name	salary
Charlie	70000.00
Eve	65000.00

employees 15 x

Output

Query Completed

30°C Haze

Search

ENG IN

16:26 29-05-2025

MySQL Workbench

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Navigator:

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Administration Schemas

Information

Schema: vishnu

Query 1

```
51 RIGHT JOIN departments d ON e.dept_id = d.dept_id;
52
53 -- Subquery--
54 SELECT emp_name, salary
55 FROM employees
56 WHERE salary > (SELECT AVG(salary) FROM employees);
57
58 -- Create View--
59 CREATE VIEW high_earners AS
60 SELECT emp_name, salary
61 FROM employees
62 WHERE salary > 60000;
63
64
65
66 -- Aggregate--
67 SELECT dept_id, AVG(salary) AS avg_salary
68 FROM employees
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 18	16:24:15	SELECT e.emp_name, d.dept_name FROM employees e INNER JOIN departments d ON e.dept_id = d.dept...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 19	16:24:50	SELECT e.emp_name, d.dept_name FROM employees e LEFT JOIN departments d ON e.dept_id = d.dept_...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 20	16:24:50	SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location FROM employees e RIGHT JOIN departm...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 21	16:25:00	SELECT e.emp_name, d.dept_name FROM employees e LEFT JOIN departments d ON e.dept_id = d.dept_...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 22	16:25:36	SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location FROM employees e RIGHT JOIN departm...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 23	16:26:34	SELECT emp_name, salary FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) LIM...	2 row(s) returned	0.000 sec / 0.000 sec
✗ 24	16:27:18	CREATE VIEW high_earners AS SELECT emp_name, salary FROM employees WHERE salary > 60000	Error Code: 1050. Table 'high_earners' already exists	0.000 sec

Object Info Session

Query interrupted

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Administration Schemas Information

Schema: vishnu

Query 1

```
63
64
65
66 -- Aggregate--
67 SELECT dept_id, AVG(salary) AS avg_salary
68 FROM employees
69 GROUP BY dept_id;
70
71
72 SELECT SUM(salary) AS total_eng_salary
73
```

Result Grid

dept_id	avg_salary
10	65000.000000
20	60000.000000
30	50000.000000

Result 16

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	16:24:50	SELECT e.emp_name, d.dept_name FROM employees e LEFT JOIN departments d ON e.dept_id = d.dept_id...	5 row(s) returned	0.000 sec / 0.000 sec
20	16:24:50	SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location FROM employees e RIGHT JOIN departm...	5 row(s) returned	0.000 sec / 0.000 sec
21	16:25:00	SELECT e.emp_name, d.dept_name FROM employees e LEFT JOIN departments d ON e.dept_id = d.dept_id...	5 row(s) returned	0.000 sec / 0.000 sec
22	16:25:36	SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location FROM employees e RIGHT JOIN departm...	5 row(s) returned	0.000 sec / 0.000 sec
23	16:26:34	SELECT emp_name, salary FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) LIM...	2 row(s) returned	0.000 sec / 0.000 sec
24	16:27:18	CREATE VIEW high_earners AS SELECT emp_name, salary FROM employees WHERE salary > 60000	Error Code: 1050. Table 'high_earners' already exists	0.000 sec
25	16:28:16	SELECT dept_id, AVG(salary) AS avg_salary FROM employees GROUP BY dept_id LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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16:28 29-05-2025

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Local instance MySQL80 x Local instance x

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Administration Schemas

Information

Schema: vishnu

Query 1

Limit to 1000 rows

```
70
71
72 SELECT SUM(salary) AS total_eng_salary
73 FROM employees
74 WHERE dept_id = 10;
```

Result Grid

total_eng_salary
130000.00

Result 17

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	16:24:50	SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location FROM employees e RIGHT JOIN departm...	5 row(s) returned	0.000 sec / 0.000 sec
21	16:25:00	SELECT e.emp_name, d.dept_name FROM employees e LEFT JOIN departments d ON e.dept_id = d.dept_id	5 row(s) returned	0.000 sec / 0.000 sec
22	16:25:36	SELECT e.emp_id, e.emp_name, e.salary, d.dept_name, d.location FROM employees e RIGHT JOIN departm...	5 row(s) returned	0.000 sec / 0.000 sec
23	16:26:34	SELECT emp_name, salary FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) LIM...	2 row(s) returned	0.000 sec / 0.000 sec
24	16:27:18	CREATE VIEW high_earners AS SELECT emp_name, salary FROM employees WHERE salary > 60000	Error Code: 1050. Table 'high_earners' already exists	0.000 sec
25	16:28:16	SELECT dept_id, AVG(salary) AS avg_salary FROM employees GROUP BY dept_id LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
26	16:28:50	SELECT SUM(salary) AS total_eng_salary FROM employees WHERE dept_id = 10 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

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Search

ENG IN

16:28 29-05-2025