Name: Sakshi Kapil Badave

MySQL Workbench — Local instance MySQL80

Menu: File Edit View Query Database Server Tools Scripting Help

Query 1

```
1 • SELECT * FROM employees;
```

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

emp_id	name	department	salary	join_date
101	Sweta Kale	HR	45000	2021-06-15
102	Riya Ghule	IT	75000	2020-01-10
103	Ram Kharade	Finance	60000	2019-08-23
104	Pranav Badave	IT	80000	2022-03-01
105	Priya Swami	Marketing	55000	2021-11-05
*	NULL	NULL	NULL	NULL

employees 3

SQLAdditions — CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

By default, tables are created in the default database, using the InnoDB storage engine. An error occurs if the table exists, if there is no default database, or if the database does not exist.

MySQL has no limit on the number of tables. The underlying file system may have a limit on the number of files that represent tables. Individual storage engines may impose engine-specific constraints. InnoDB permits up to 4 billion tables.

For information about the physical representation of a table, see \1.

See also: : Online help create-table

Output — Action Output

#	Time	Action	Message	Duration / Fetch
17	13:50:59	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
18	13:51:14	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
19	13:53:21	drop table employees	0 row(s) affected	0.046 sec
20	13:53:59	CREATE TABLE employees (emp_id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, departm...	0 row(s) affected	0.062 sec
21	13:58:21	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'Sweta Kale', 'HR', 450...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
22	13:58:57	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

---

MySQL Workbench — Local instance MySQL80 (second screenshot)

Query 1

```
1 SELECT name, department FROM employees;
```

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

name	department
Sweta Kale	HR
Riya Ghule	IT
Ram Kharade	Finance
Pranav Badave	IT
Priya Swami	Marketing

employees 4 — Read Only

Output — Action Output

#	Time	Action	Message	Duration / Fetch
18	13:51:14	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
19	13:53:21	drop table employees	0 row(s) affected	0.046 sec
20	13:53:59	CREATE TABLE employees (emp_id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, departm...	0 row(s) affected	0.062 sec
21	13:58:21	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'Sweta Kale', 'HR', 450...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
22	13:58:57	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
23	13:59:27	SELECT name, department FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1 — MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1

```
1   SELECT * FROM employees
2   WHERE department = 'IT';
```

SQLAdditions — CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

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

emp_id	name	department	salary	join_date
102	Riya Ghule	IT	75000	2020-01-10
104	Pranav Badave	IT	80000	2022-03-01
NULL	NULL	NULL	NULL	NULL

employees 5

Output — Action Output

#	Time	Action	Message	Duration / Fetch
19	13:53:21	drop table employees	0 row(s) affected	0.046 sec
20	13:53:59	CREATE TABLE employees (emp_id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, departm...	0 row(s) affected	0.062 sec
21	13:58:21	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'Sweta Kale', 'HR', 450...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
22	13:58:57	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
23	13:59:27	SELECT name, department FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
24	13:59:56	SELECT * FROM employees WHERE department = 'IT' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

---

Screenshot 2 — MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 | new_schema - Schema

```
1   SELECT * FROM employees
2   WHERE department = 'IT' AND salary > 75000;
3
```

SQLAdditions — CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

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

emp_id	name	department	salary	join_date
104	Pranav Badave	IT	80000	2022-03-01
NULL	NULL	NULL	NULL	NULL

employees 6

Output — Action Output

#	Time	Action	Message	Duration / Fetch
20	13:53:59	CREATE TABLE employees (emp_id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, departm...	0 row(s) affected	0.062 sec
21	13:58:21	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'Sweta Kale', 'HR', 450...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
22	13:58:57	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
23	13:59:27	SELECT name, department FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
24	13:59:56	SELECT * FROM employees WHERE department = 'IT' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
25	14:17:24	SELECT * FROM employees WHERE department = 'IT' AND salary > 75000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1

MySQL Workbench

Local instance MySQL80

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Query 1   new_schema - Schema

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- Dashboard
- Performance Reports
- Performance Schema Setup

Administration   Schemas

Information

No object selected

Object Info   Session

Limit to 1000 rows

```sql
1   SELECT * FROM employees
2   WHERE department IN ('IT', 'Finance');
3
4
```

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

emp_id	name	department	salary	join_date
102	Riya Ghule	IT	75000	2020-01-10
103	Ram Kharade	Finance	60000	2019-08-23
104	Pranav Badave	IT	80000	2022-03-01
NULL	NULL	NULL	NULL	NULL

employees 7

SQLAdditions

◄ ► | CREATE TABLE ▼

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	13:58:21	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'Sweta Kale', 'HR', 450...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
22	13:58:57	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
23	13:59:27	SELECT name, department FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
24	13:59:56	SELECT * FROM employees WHERE department = 'IT' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
25	14:17:24	SELECT * FROM employees WHERE department = 'IT' AND salary > 75000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
26	14:18:07	SELECT * FROM employees WHERE department IN ('IT', 'Finance') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Screenshot 2

MySQL Workbench

Local instance MySQL80

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Query 1   new_schema - Schema

Navigator

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- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE
- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE
- Dashboard
- Performance Reports
- Performance Schema Setup

Administration   Schemas

Information

No object selected

Object Info   Session

Limit to 1000 rows

```sql
1   SELECT * FROM employees
2   WHERE salary BETWEEN 50000 AND 70000;
3
4
```

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

emp_id	name	department	salary	join_date
103	Ram Kharade	Finance	60000	2019-08-23
105	Priya Swami	Marketing	55000	2021-11-05
NULL	NULL	NULL	NULL	NULL

employees 8

SQLAdditions

◄ ► | CREATE TABLE ▼

CREATE TABLE Syntax:

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
22	13:58:57	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
23	13:59:27	SELECT name, department FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
24	13:59:56	SELECT * FROM employees WHERE department = 'IT' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
25	14:17:24	SELECT * FROM employees WHERE department = 'IT' AND salary > 75000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
26	14:18:07	SELECT * FROM employees WHERE department IN ('IT', 'Finance') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
27	14:18:57	SELECT * FROM employees WHERE salary BETWEEN 50000 AND 70000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1

MySQL Workbench — Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 — new_schema - Schema

Limit to 1000 rows

```sql
1 •   SELECT * FROM employees
2     WHERE name LIKE 'P%';
3
4
```

SQLAdditions

CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

By default, tables are created in the default database, using the InnoDB storage engine. An error occurs if the table exists, if there is no default database, or if the database does not exist.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

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

	emp_id	name	department	salary	join_date
▶	104	Pranav Badave	IT	80000	2022-03-01
	105	Priya Swami	Marketing	55000	2021-11-05
*	NULL	NULL	NULL	NULL	NULL

employees 10 ×

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	24 13:59:56	SELECT * FROM employees WHERE department = 'IT' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	25 14:17:24	SELECT * FROM employees WHERE department = 'IT' AND salary > 75000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	26 14:18:07	SELECT * FROM employees WHERE department IN ('IT', 'Finance') LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
✓	27 14:18:57	SELECT * FROM employees WHERE salary BETWEEN 50000 AND 70000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	28 14:19:45	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓	29 14:20:24	SELECT * FROM employees WHERE name LIKE 'P%' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

---

Screenshot 2

MySQL Workbench — Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 — new_schema - Schema

Limit to 1000 rows

```sql
1 •   SELECT * FROM employees
2     ORDER BY salary DESC;
3
4
```

SQLAdditions

CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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See also: Online help create-table

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

	emp_id	name	department	salary	join_date
▶	104	Pranav Badave	IT	80000	2022-03-01
	102	Riya Ghule	IT	75000	2020-01-10
	103	Ram Kharade	Finance	60000	2019-08-23
	105	Priya Swami	Marketing	55000	2021-11-05
	101	Sweta Kale	HR	45000	2021-06-15
*	NULL	NULL	NULL	NULL	NULL

employees 11 ×

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	27 14:18:57	SELECT * FROM employees WHERE salary BETWEEN 50000 AND 70000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	28 14:19:45	SELECT * FROM employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓	29 14:20:24	SELECT * FROM employees WHERE name LIKE 'P%' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✗	30 14:21:59	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
✗	31 14:22:04	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
✓	32 14:22:24	SELECT * FROM employees ORDER BY salary DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1 — MySQL Workbench

Query editor:
```
1  select * from employees;
2
3
4
```

Result Grid:

emp_id	name	department	salary	join_date
101	Sweta Kale	HR	45000	2021-06-15
102	Riya Ghule	IT	75000	2020-01-10
103	Ram Kharade	Finance	60000	2019-08-23
104	Pranav Badave	IT	82000	2022-03-01
105	Priya Swami	Marketing	55000	2021-11-05
* NULL	NULL	NULL	NULL	NULL

employees 12

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
29	14:20:24	SELECT * FROM employees WHERE name LIKE 'P%' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
30	14:21:59	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
31	14:22:04	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
32	14:22:24	SELECT * FROM employees ORDER BY salary DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
33	14:24:24	UPDATE employees SET salary = 82000 WHERE emp_id = 104	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.047 sec
34	14:24:49	select * from employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions — CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

Screenshot 2 — MySQL Workbench

Query editor:
```
1
2  DELETE FROM employees
3  WHERE emp_id = 105;
4
5
6
7
```

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
30	14:21:59	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
31	14:22:04	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
32	14:22:24	SELECT * FROM employees ORDER BY salary DESC	5 row(s) returned	0.000 sec / 0.000 sec
33	14:24:24	UPDATE employees SET salary = 82000 WHERE emp	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.047 sec
34	14:24:49	select * from employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
35	14:26:10	DELETE FROM employees WHERE emp_id = 105	1 row(s) affected	0.047 sec

(tooltip: SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000)

SQLAdditions — CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

Screenshot 1 — MySQL Workbench

Query editor:
```
1 •   select * from employees;
2
3
```

Result Grid:

emp_id	name	department	salary	join_date
101	Sweta Kale	HR	45000	2021-06-15
102	Riya Ghule	IT	75000	2020-01-10
103	Ram Kharade	Finance	60000	2019-08-23
104	Pranav Badave	IT	82000	2022-03-01
NULL	NULL	NULL	NULL	NULL

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
31	14:22:04	SELECT * FROM employees ORDER BY age DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'age' in 'order clause'	0.000 sec
32	14:22:24	SELECT * FROM employees ORDER BY salary DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
33	14:24:24	UPDATE employees SET salary = 82000 WHERE emp_id = 104	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.047 sec
34	14:24:49	select * from employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
35	14:26:10	DELETE FROM employees WHERE emp_id = 105	1 row(s) affected	0.047 sec
36	14:26:52	select * from employees LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Screenshot 2 — MySQL Workbench

Query editor:
```
1
2 •   SELECT department, AVG(salary) AS avg_salary
3     FROM employees
4     GROUP BY department;
5
6
```

Result Grid:

department	avg_salary
HR	45000
IT	78500
Finance	60000

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
32	14:22:24	SELECT * FROM employees ORDER BY salary DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
33	14:24:24	UPDATE employees SET salary = 82000 WHERE emp_id = 104	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.047 sec
34	14:24:49	select * from employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
35	14:26:10	DELETE FROM employees WHERE emp_id = 105	1 row(s) affected	0.047 sec
36	14:26:52	select * from employees LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
37	14:27:27	SELECT department, AVG(salary) AS avg_salary FROM employees GROUP BY department LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

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- Performance Schema Setup

Administration   Schemas

Information

No object selected

Object Info   Session

Query 1   ×   new_schema - Schema

Limit to 1000 rows

```
1   SELECT department, COUNT(*) AS emp_count
2   FROM employees
3   GROUP BY department
4   HAVING COUNT(*) > 1;
5
```

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

department	emp_count
IT	2

Result 15 ×   Read Only

SQLAdditions

CREATE TABLE

CREATE TABLE Syntax:

\1 creates a table with the given name. You must have the CREATE privilege for the table.

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For information about the physical representation of a table, see \1.

See also: : Online help create-table

Context Help   Snippets

Result Grid

Form Editor

Field Types

Output

Action Output

#	Time	Action	Message	Duration / Fetch
33	14:24:24	UPDATE employees SET salary = 82000 WHERE emp_id = 104	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.047 sec
34	14:24:49	select * from employees LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
35	14:26:10	DELETE FROM employees WHERE emp_id = 105	1 row(s) affected	0.047 sec
36	14:26:52	select * from employees LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
37	14:27:27	SELECT department, AVG(salary) AS avg_salary FROM employees GROUP BY department LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
38	14:27:54	SELECT department, COUNT(*) AS emp_count FROM employees GROUP BY department HAVING COUNT(*)...	1 row(s) returned	0.000 sec / 0.000 sec