

MySQL Workbench

Local instance MySQL80

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Information

No object selected

Query 1

```
1 CREATE TABLE employees (  
2     emp_id INT PRIMARY KEY,  
3     name VARCHAR(100) NOT NULL,  
4     department VARCHAR(50),  
5     salary DOUBLE,  
6     join_date DATE  
7 );
```

SQLReference

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](#)

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	13:50:04	CREATE TABLE employees ( emp_id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, departm...	0 row(s) affected	0.093 sec
16	13:50:41	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'John Doe', 'HR', 4500...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
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	13:52:21	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

Object Info Session

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Information

No object selected

Query 1

```
1 INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES  
2 (101, 'Sweeta Kale', 'HR', 45000, '2021-05-15'),  
3 (102, 'Riya Ghule', 'IT', 75000, '2020-01-18'),  
4 (103, 'Ran Khurade', 'Finance', 60000, '2019-05-23'),  
5 (104, 'Pranav Badave', 'IT', 80000, '2022-03-01'),  
6 (105, 'Priya Swam', 'Marketing', 55000, '2021-11-05');
```

SQLReference

CREATE TABLE Syntax:

[1](#) creates a table with the given name. You must have the `CREATE` privilege for the table.

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Output

Action Output

#	Time	Action	Message	Duration / Fetch
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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	13:52:21	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, 'Sweeta Kale', 'HR', 450...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec

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Information

No object selected

Object Info Session

Query 1

1 \* `SELECT * FROM employees;`

Result Grid

emp_id	name	department	salary	join_date
101	Sneha Kale	HR	45000	2021-06-15
102	Riya Ghule	IT	75000	2020-01-30
103	Ram Kharade	Finance	60000	2019-09-23
104	Pranav Badave	IT	80000	2022-03-01
105	Priva Swani	Marketing	55000	2021-11-05

employees 3

Apply Revert

Context Help Snippets

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
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21	13:58:21	INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'Sneha 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

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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Information

No object selected

Object Info Session

Query 1

1 `SELECT name, department FROM employees;`

Result Grid

name	department
Sneha Kale	HR
Riya Ghule	IT
Ram Kharade	Finance
Pranav Badave	IT
Priva Swani	Marketing

employees 4

Read Only

Context Help Snippets

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, 'Sneha 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

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CREATE TABLE

**CREATE TABLE Syntax:**

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Information

No object selected

Object Info Session

Query 1

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

Result Grid

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

employees 3

Output

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

SQLAdditions

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No object selected

Object Info Session

Query 1

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

Result Grid

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

employees 4

Output

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

SQLAdditions

CREATE TABLE Syntax:

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Information

No object selected

Object Info Session

Query 1 new\_schema - Schema

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

Result Grid

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 Sadave	IT	80000	2022-03-01

employees 7 x

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

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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Information

No object selected

Object Info Session

Query 1 new\_schema - Schema

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

Result Grid

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

employees 8 x

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

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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Information

No object selected

Object Info Session

Query 1 new\_schema - Schema

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

Result Grid

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

employees 10 x

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

SQLAdditions

CREATE TABLE Syntax:

[\1](#) creates a table with the given name. You must have the **CREATE** privilege for the table.

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Information

No object selected

Object Info Session

Query 1 new\_schema - Schema

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

Result Grid

emp_id	name	department	salary	join_date
104	Pranav Badave	IT	80000	2022-03-01
102	Riya Ghule	IT	75000	2020-01-30
103	Ram Kharade	Finance	60000	2019-08-23
105	Priya Swami	Marketing	55000	2021-11-05
101	Siveta Kale	HR	45000	2021-06-15

employees 11 x

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

SQLAdditions

CREATE TABLE Syntax:

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No object selected

Object Info Session

Query 1 new\_schema - Schema

```
1 select * from employees;
```

Result Grid

emp_id	name	department	salary	join_date
101	Sneha Kale	HR	45000	2021-06-15
102	Riya Ghule	IT	75000	2020-01-30
103	Ram Kharade	Finance	60000	2019-09-23
104	Pranav Badave	IT	82000	2022-03-01
105	Pritya Swani	Marketing	55000	2021-11-05

employees 12 x

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

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No object selected

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Query 1 new\_schema - Schema

```
1
2 DELETE FROM employees
3 WHERE emp_id = 105;
```

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_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	14:25:10	DELETE FROM employees WHERE emp_id = 105	1 row(s) affected	0.047 sec



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No object selected

Object Info Session

Query 1 new\_schema - Schema

```
1 select * from employees;
```

Result Grid

emp_id	name	department	salary	join_date
101	Sneha Kale	HR	45000	2021-06-15
102	Riya Ghule	IT	75000	2020-01-30
103	Ram Kharade	Finance	60000	2019-09-23
104	Pranav Badave	IT	82000	2022-03-01

employees 13 x

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

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](#)

MySQL Workbench

Local instance MySQL80

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Administration Schemas

Information

No object selected

Object Info Session

Query 1 new\_schema - Schema

```
1
2 SELECT department, AVG(salary) AS avg_salary
3 FROM employees
4 GROUP BY department;
```

Result Grid

department	avg_salary
HR	45000
IT	76500
Finance	60000

Result 14 x

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

SQLAdditions

CREATE TABLE

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