

Last login: Tue Jun 11 16:43:08 on ttys000
(base) sahilkumar@SAHILs-MacBook-Air ~ % brew services start mysql
Service `mysql` already started, use `brew services restart mysql` to restart.
(base) sahilkumar@SAHILs-MacBook-Air ~ %
(base) sahilkumar@SAHILs-MacBook-Air ~ % mysql -u root
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.3.0 Homebrew

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

Database
company
information_schema
mysql
performance_schema
school
sys

6 rows in set (0.05 sec)

mysql> use school;

Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables;

Tables_in_school
courses
students
votingList

3 rows in set (0.01 sec)

mysql> select * from students;

studentid	firstname	lastname	dateOfBirth	email
1	John	Doe	2000-02-20	johndoe@gmail.com
2	Johny	Dep	2002-05-21	johndep@gmail.com
3	Chris	Evan	2001-03-03	chris123@gmail.com
4	Allen	Cooper	2000-02-20	allen@gmail.com
5	donny	yen	2001-02-20	donny@gmail.com

5 rows in set (0.01 sec)

mysql> select count(*) from students;

count(*)
5

1 row in set (0.00 sec)

mysql> use company;

Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables;

Tables_in_company
employees

1 row in set (0.00 sec)

mysql> select * from employees;

id	emp_name	dept	salary
1	Lokesh	IT	25000
2	Sahil	IT	95000

3	Amit	Admin	100000
4	Ram	Sales	100000
5	Lokesh	IT	25000
6	Ashish	IT	195000
7	Amit kr	Security	9000
8	Himanshu	Sales	10000

8 rows in set (0.01 sec)

mysql> select dept , count(*) from employees group by dept;

dept	count(*)
IT	4
Admin	1
Sales	2
Security	1

4 rows in set (0.00 sec)

mysql> select dept , count(*) as "No of Employees in Each Dept" from employees group by dept;

dept	No of Employees in Each Dept
IT	4
Admin	1
Sales	2
Security	1

4 rows in set (0.00 sec)

mysql> select * from employees;

id	emp_name	dept	salary
1	Lokesh	IT	25000
2	Sahil	IT	95000
3	Amit	Admin	100000
4	Ram	Sales	100000
5	Lokesh	IT	25000
6	Ashish	IT	195000
7	Amit kr	Security	9000
8	Himanshu	Sales	10000

8 rows in set (0.00 sec)

mysql> select max(salary) from employees;

max(salary)
195000

1 row in set (0.01 sec)

mysql> select * from employees where salary = max(salary);

ERROR 1111 (HY000): Invalid use of group function

mysql>

mysql> select * from employees where salary = (select max(salary) from employees);

id	emp_name	dept	salary
6	Ashish	IT	195000

1 row in set (0.00 sec)

mysql> select * from employees;

id	emp_name	dept	salary
1	Lokesh	IT	25000
2	Sahil	IT	95000
3	Amit	Admin	100000
4	Ram	Sales	100000
5	Lokesh	IT	25000
6	Ashish	IT	195000
7	Amit kr	Security	9000
8	Himanshu	Sales	10000

8 rows in set (0.18 sec)

mysql> update employees set salary = salary+salary*0.2 where salary = (select min(salary) from employees);

ERROR 1093 (HY000): You can't specify target table 'employees' for update in FROM clause

mysql> update employees set salary = salary+salary*0.2 ;

Query OK, 8 rows affected (0.01 sec)

Rows matched: 8 Changed: 8 Warnings: 0

mysql> select * from employees;

id	emp_name	dept	salary
1	Lokesh	IT	30000
2	Sahil	IT	114000
3	Amit	Admin	120000
4	Ram	Sales	120000
5	Lokesh	IT	30000
6	Ashish	IT	234000
7	Amit kr	Security	10800
8	Himanshu	Sales	12000

8 rows in set (0.00 sec)

mysql> update employees set salary = salary+salary*0.2 where salary=(select min(salary) from employees) ;
ERROR 1093 (HY000): You can't specify target table 'employees' for update in FROM clause

mysql>

mysql> update employees set salary = salary+salary*0.2 where salary=90000;

Query OK, 0 rows affected (0.01 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> update employees set salary = salary+salary*0.2 where id = (select id from employees order by salary limit 1);
ERROR 1093 (HY000): You can't specify target table 'employees' for update in FROM clause

mysql>

mysql> UPDATE employees

-> SET salary = salary + salary * 0.2

-> WHERE employee_id =

-> (

-> SELECT employee_id

-> FROM sql_hr.employees

-> order BY salary

->

->

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 7

mysql>

mysql>

mysql>

mysql>

mysql>

mysql> UPDATE employees

-> SET salary = salary + salary * 0.2

-> WHERE employee_id =

-> (

-> SELECT employee_id

-> FROM sql_hr.employees

-> order BY salary

->

->

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 7

mysql>

mysql> update employees set salary = salary+salary*0.2 where id = (select id from employees order by salary);

ERROR 1093 (HY000): You can't specify target table 'employees' for update in FROM clause

mysql>

mysql> update employees set salary = salary+salary*0.2 where id = (select id from company.employees order by salary);

ERROR 1093 (HY000): You can't specify target table 'employees' for update in FROM clause

mysql>

mysql>

mysql>

mysql> show databases;

Database
company
information_schema
mysql
performance_schema
school
sys

6 rows in set (0.02 sec)

mysql> use school;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables;

Tables_in_school

courses
students
votingList

3 rows in set (0.00 sec)

mysql> select * from students;

studentid	firstname	lastname	dateOfBirth	email
1	John	Doe	2000-02-20	johndoe@gmail.com
2	Johny	Dep	2002-05-21	johndep@gmail.com
3	Chris	Evan	2001-03-03	chris123@gmail.com
4	Allen	Cooper	2000-02-20	allen@gmail.com
5	donny	yen	2001-02-20	donny@gmail.com

5 rows in set (0.00 sec)

mysql> alter table students add column marks int;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select * from students;

studentid	firstname	lastname	dateOfBirth	email	marks
1	John	Doe	2000-02-20	johndoe@gmail.com	NULL
2	Johny	Dep	2002-05-21	johndep@gmail.com	NULL
3	Chris	Evan	2001-03-03	chris123@gmail.com	NULL
4	Allen	Cooper	2000-02-20	allen@gmail.com	NULL
5	donny	yen	2001-02-20	donny@gmail.com	NULL

5 rows in set (0.00 sec)

mysql> update students set marks = 20 where studentid=1;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update students set marks = 90 where studentid=2;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update students set marks = 30 where studentid=3;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update students set marks = 14 where studentid=4;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update students set marks = 19 where studentid=5;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql>

mysql> select * from students;

studentid	firstname	lastname	dateOfBirth	email	marks
1	John	Doe	2000-02-20	johndoe@gmail.com	20
2	Johny	Dep	2002-05-21	johndep@gmail.com	90
3	Chris	Evan	2001-03-03	chris123@gmail.com	30
4	Allen	Cooper	2000-02-20	allen@gmail.com	14
5	donny	yen	2001-02-20	donny@gmail.com	19

5 rows in set (0.00 sec)

mysql> update students set marks = marks+1 where marks > (select avg(marks) from students);

ERROR 1093 (HY000): You can't specify target table 'students' for update in FROM clause

mysql>

mysql> update students set marks = marks+1 where marks > (select avg(marks) from school.students);

ERROR 1093 (HY000): You can't specify target table 'students' for update in FROM clause

mysql>

mysql> delete from students where marks = (select min(marks) from students);

ERROR 1093 (HY000): You can't specify target table 'students' for update in FROM clause

mysql>

mysql>

mysql> show tables;

Tables_in_school
courses
students

```
| votingList |
+-----+
3 rows in set (0.05 sec)
```

```
mysql> desc courses;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| courseid | int | NO | PRI | NULL | |
| coursename | varchar(100) | NO | | NULL | |
| credits | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

```
mysql> desc students;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| studentid | int | NO | PRI | NULL | |
| firstname | varchar(50) | NO | | NULL | |
| lastname | varchar(50) | NO | | NULL | |
| dateOfBirth | date | YES | | NULL | |
| email | varchar(100) | YES | UNI | NULL | |
| marks | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

```
mysql>
```

```
mysql> create database company1;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> use company1;
Database changed
```

```
mysql> create table employee (e_id int primary key auto_increment,
->   ename varchar(50) , addressId int);
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> insert into employee (ename,addressId) values
->   ("Ram",101),("Ritu",103),("Gaurav",103),("Dev",101);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> create table address (e_id int primary key,hno int,city text,state text);
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> insert into address values
```

```
-> (101,56,"Dwarka","DL"),
-> (102,57,"NJF","DL"),
-> (103,78A,"Nawada","DL"),
-> (104,98C,"Rajouri","DL");
```

```
ERROR 1054 (42S22): Unknown column '78A' in 'field list'
```

```
mysql> insert into address values (101,56,"Dwarka","DL"), (102,57,"NJF","DL"), (103,78,"Nawada","DL"), (104,98,"Rajouri",
"DL");
Query OK, 4 rows affected (0.00 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> select * from employee;
```

```
+-----+-----+-----+
| e_id | ename | addressId |
+-----+-----+-----+
| 1 | Ram | 101 |
| 2 | Ritu | 103 |
| 3 | Gaurav | 103 |
| 4 | Dev | 101 |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> select * from address;
```

```
+-----+-----+-----+-----+
| e_id | hno | city | state |
+-----+-----+-----+-----+
| 101 | 56 | Dwarka | DL |
| 102 | 57 | NJF | DL |
| 103 | 78 | Nawada | DL |
| 104 | 98 | Rajouri | DL |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> select select ename,addressId,hno,city,state from
-> ;
```

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select ename,addressId,hno,city,state from' at line 1
```

```
mysql>
```

```
mysql>
```

```
mysql>
mysql> select ename,addressId,hno,city,state from
    -> employee as emp inner join address as add
    -> on emp.addressId = add.e_id;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'add
on emp.addressId = add.e_id' at line 2
```

```
mysql>
mysql>
mysql> select * from employee inner join address on employee.addressId = address.e_id;
```

e_id	ename	addressId	e_id	hno	city	state
1	Ram	101	101	56	Dwarka	DL
2	Ritu	103	103	78	Nawada	DL
3	Gaurav	103	103	78	Nawada	DL
4	Dev	101	101	56	Dwarka	DL

4 rows in set (0.00 sec)

```
mysql> select * from employee as emp inner join address as a on emp.addressId = a.e_id;
```

e_id	ename	addressId	e_id	hno	city	state
1	Ram	101	101	56	Dwarka	DL
2	Ritu	103	103	78	Nawada	DL
3	Gaurav	103	103	78	Nawada	DL
4	Dev	101	101	56	Dwarka	DL

4 rows in set (0.00 sec)

```
mysql> select * from employee as emp left join address as a on emp.addressId = a.e_id;
```

e_id	ename	addressId	e_id	hno	city	state
1	Ram	101	101	56	Dwarka	DL
2	Ritu	103	103	78	Nawada	DL
3	Gaurav	103	103	78	Nawada	DL
4	Dev	101	101	56	Dwarka	DL

4 rows in set (0.00 sec)

```
mysql> select * from employee as emp right join address as a on emp.addressId = a.e_id;
```

e_id	ename	addressId	e_id	hno	city	state
4	Dev	101	101	56	Dwarka	DL
1	Ram	101	101	56	Dwarka	DL
NULL	NULL	NULL	102	57	NJF	DL
3	Gaurav	103	103	78	Nawada	DL
2	Ritu	103	103	78	Nawada	DL
NULL	NULL	NULL	104	98	Rajouri	DL

6 rows in set (0.00 sec)

```
mysql>
```