

MySQL 8.0 Command Line Cli

Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.36 MySQL Community Server - GPL

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

mysql> use employee
Database changed
mysql> select * from dept;

deptno	dname	loc
10	accounting	mumbai
20	research	bengaluru
30	sales	delhi
40	operations	chennai

4 rows in set (0.01 sec)

mysql> select * from emp;

empno	ename	mgr_no	hiredate	sal	deptno
7369	adarsh	7902	2012-12-17	80000.00	20
7499	shruthi	7698	2013-02-20	16000.00	30
7521	anvitha	7698	2015-02-22	12500.00	30
7566	tanvir	7839	2008-04-02	29750.00	20
7654	ramesh	7698	2014-09-28	12500.00	30
7698	kumar	7839	2015-05-01	25800.00	30
7782	clark	7839	2017-06-09	24500.00	10
7788	scott	7566	2010-12-09	30000.00	20
7839	king	NULL	2009-11-17	50000.00	10
7844	turner	7698	2010-09-08	15000.00	30
7876	adams	7788	2013-01-12	11000.00	20
7900	james	7698	2017-12-03	9500.00	30
7902	ford	7566	2010-12-03	30000.00	20

13 rows in set (0.01 sec)

mysql> select * from incentives;

empno	incentive_date	incentive_amount
7499	2019-02-01	5000.00

CAD/INR
-0.29%

Search

ENG
IN

15:40:43
12-11-2024

```
mysql> select * from incentives;
```

empno	incentive_date	incentive_amount
7499	2019-02-01	5000.00
7521	2019-02-01	8000.00
7521	2019-03-01	2500.00
7566	2022-02-01	5070.00
7654	2022-02-01	2000.00
7654	2022-04-01	879.00
7698	2019-03-01	500.00
7698	2020-03-01	9000.00
7698	2022-04-01	4500.00

```
9 rows in set (0.01 sec)
```

```
mysql> select * from project;
```

pno	pname	ploc
101	ai project	bengaluru
102	iot	hyderabad
103	blockchain	bengaluru
104	data science	mysuru
105	autonomus system	pune

```
5 rows in set (0.01 sec)
```

```
mysql> select * from assigned_to;
```

empno	pno	job_role
7499	101	software engineer
7499	102	software engineer
7521	101	software architect
7521	102	software engineer
7566	101	project manager
7654	102	sales
7654	103	cyber security
7698	104	software engineer
7839	104	general manager
7900	105	software engineer

```
10 rows in set (0.01 sec)
```

```
mysql> select empno from emp where not exists(select empno from incentives);
Empty set (0.00 sec)
```

```
mysql> select empno from emp where not exists(select empno from incentives where emp.empno!=incentives.empno);
Empty set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli x + v
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 '.mgr_no=m.empno
group by m.ename
having count(*) =(select * max(mycount) from em' at line 1
mysql> select * from emp m
-> where m.empno in(select mgr_no from emp) and m.sal>(select avg(e.sal) from emp e where e.mgr_no =m.empno);
+-----+
| empno | ename | mgr_no | hiredate | sal | deptno |
+-----+
| 7698 | kumar | 7839 | 2015-05-01 | 25800.00 | 30 |
| 7839 | king | NULL | 2009-11-17 | 50000.00 | 10 |
| 7788 | scott | 7566 | 2010-12-09 | 30000.00 | 20 |
+-----+
3 rows in set (0.00 sec)

mysql> select distinct m.mgr_no from emp e,emp m
-> where e.mgr_no=m.mgr_no and e.deptno=m.deptno and e.empno in(select distinct m.mgr_no from emp
e,emp m
-> where e.mgr_no =m.mgr_no and e.deptno=m.deptno));
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 3
mysql> select distinct m.mgr_no from emp e,emp m where e.mgr_no =m.mgr_no and e.deptno=m.deptno and e.
empno in(select distinct m.mgr_no from emp e,emp m where e.mgr_no =e.mgr_no and e.deptno =m.deptno);
+-----+
| mgr_no |
+-----+
| 7839 |
| 7566 |
+-----+
2 rows in set (0.00 sec)

mysql> select * from emp e,incentives i
-> where e.empno=i.empno and 2=(select count(*) from incentives j
-> where i.incentive_amount <=j.incentive_amount);
+-----+
| empno | ename | mgr_no | hiredate | sal | deptno | empno | incentive_date | incentive_amount |
+-----+
| 7521 | anvitha | 7698 | 2015-02-22 | 12500.00 | 30 | 7521 | 2019-02-01 | 8000.00 |
+-----+
1 row in set (0.00 sec)

mysql> select * from emp m
-> where m.empno in
-> (select mgr_no from emp )
-> and m.sal>(select avg(e.sal) from e
-> where e.mgr_no m.empno);
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 'm.empno)' at line 5
mysql> select * from emp m where m.empno in (select mgr_no from emp) and m.sal>(select avg(e.sal) from
e where e.mgr_no = m.empno);
ERROR 1146 (42S02): Table 'employee.e' doesn't exist
mysql> select * from emp m where m.empno in (select mgr_no from emp) and m.sal>(select avg(e.sal) from
emp e where e.mgr_no = m.empno);
+-----+

```

```
MySQL 8.0 Command Line Cli x + v
mysql> select * from emp m where m.empno in (select mgr_no from emp) and m.sal>(select avg(e.sal) from
emp e where e.mgr_no = m.empno);
+-----+-----+-----+-----+-----+
| empno | ename | mgr_no | hiredate | sal      | deptno |
+-----+-----+-----+-----+-----+
| 7698 | kumar | 7839 | 2015-05-01 | 25800.00 | 30 |
| 7839 | king | NULL | 2009-11-17 | 50000.00 | 10 |
| 7788 | scott | 7566 | 2010-12-09 | 30000.00 | 20 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select m.ename ,count(*) from emp e ,emp m where e.mgr_no= m.empno group by m.ename having coun
t(*) =(select max(mycount) from (select count(*) mycount from emp group by mgr_no));
ERROR 1248 (42000): Every derived table must have its own alias
mysql> select m.ename ,count(*) from emp e ,emp m where e.mgr_no= m.empno group by m.ename having count(*) =(select max(mycount) from (select count(*) mycount from emp group by mgr_no)a);
+-----+-----+
| ename | count(*) |
+-----+-----+
| kumar | 5 |
+-----+-----+
1 row in set (0.00 sec)

mysql> select empno from emp where empno in(select empno from incentives where emp.empno!=incentives.e
mpno);
Empty set (0.00 sec)

mysql> select empno from emp where empno !=(select empno from incentives);
ERROR 1242 (21000): Subquery returns more than 1 row
mysql>

mysql> select empno from emp where (select empno from incentives and emp.empno !=incentives.empno);
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 'and emp.empno !=incentives.empno)' at line 1
mysql> select empno from emp where not exists(select empno from incentives where emp.empno =incentives.empno);
+-----+
| empno |
+-----+
| 7369 |
| 7782 |
| 7788 |
| 7839 |
| 7844 |
| 7876 |
| 7900 |
| 7902 |
+-----+
8 rows in set (0.00 sec)

mysql> select * from emp e
-> where e.deptno=(select e1.deptno from empel
-> where e1.empno=e.mgr_no);
ERROR 1146 (42S02): Table 'employee.empel' doesn't exist
```

MySQL 8.0 Command Line Cli

8 rows in set (0.00 sec)

mysql> select * from emp e
-> where e.deptno=(select e1.deptno from emp e1
-> where e1.empno=e.mgr_no);
ERROR 1146 (42S02): Table 'employee.empel' doesn't exist
mysql> select * from emp e
-> ;

empno	ename	mgr_no	hiredate	sal	deptno
7369	adarsh	7902	2012-12-17	80000.00	20
7499	shruthi	7698	2013-02-20	16000.00	30
7521	anvitha	7698	2015-02-22	12500.00	30
7566	tanvir	7839	2008-04-02	29750.00	20
7654	ramesh	7698	2014-09-28	12500.00	30
7698	kumar	7839	2015-05-01	25800.00	30
7782	clark	7839	2017-06-09	24500.00	10
7788	scott	7566	2010-12-09	30000.00	20
7839	king	NULL	2009-11-17	50000.00	10
7844	turner	7698	2010-09-08	15000.00	30
7876	adams	7788	2013-01-12	11000.00	20
7900	james	7698	2017-12-03	9500.00	30
7902	ford	7566	2010-12-03	30000.00	20

13 rows in set (0.00 sec)

mysql> select ename from emp where ename like 'A%';

ename
adarsh
anvitha
adams

3 rows in set (0.00 sec)

mysql> select sal+0.05 from emp;

sal+0.05
80000.05
16000.05
12500.05
29750.05
12500.05
25800.05
24500.05
30000.05
50000.05

Men's Singles
Match results

Search

ENG
IN

15:41:51
12-11-2024

```
MySQL 8.0 Command Line Cli  X  +  v

| 30000.05 |
| 50000.05 |
| 15000.05 |
| 11000.05 |
| 9500.05  |
| 30000.05 |
+-----+
13 rows in set (0.00 sec)

mysql> select empno from assigned_to a, project p where p.pno=a.pno and p.loc="bengaluru" or p.loc=" h
yderabad" or p.loc="mysuru";
ERROR 1054 (42S22): Unknown column 'p.loc' in 'where clause'
mysql> select empno from assigned_to a, project p where p.pno=a.pno and p.ploc="bengaluru" or p.ploc="
hyderabad" or p.ploc="mysuru";
+-----+
| empno |
+-----+
| 7499  |
| 7499  |
| 7499  |
| 7521  |
| 7521  |
| 7521  |
| 7566  |
| 7566  |
| 7654  |
| 7654  |
| 7654  |
| 7698  |
| 7839  |
| 7900  |
+-----+
14 rows in set (0.00 sec)

mysql> select distinct empno from assigned_to a, project p where p.pno=a.pno and p.ploc="bengaluru" or
p.ploc=" hyderabad" or p.ploc="mysuru";
+-----+
| empno |
+-----+
| 7499  |
| 7521  |
| 7566  |
| 7654  |
| 7698  |
| 7839  |
| 7900  |
+-----+
7 rows in set (0.00 sec)

mysql>
```



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Database changed
mysql> select * from dept;

deptno	dname	loc
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20	research	bengaluru
30	sales	delhi
40	operations	chennai

4 rows in set (0.01 sec)

mysql> select * from emp;

empno	ename	mgr_no	hiredate	sal	deptno
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7499	shruthi	7698	2013-02-20	16000.00	30
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7698	kumar	7839	2015-05-01	25800.00	30
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7788	scott	7566	2010-12-09	30000.00	20
7839	king	NULL	2009-11-17	50000.00	10
7844	turner	7698	2010-09-08	15000.00	30
7876	adams	7788	2013-01-12	11000.00	20
7900	james	7698	2017-12-03	9500.00	30
7902	ford	7566	2010-12-03	30000.00	20

13 rows in set (0.01 sec)

mysql> select * from incentives;

empno	incentive_date	incentive_amount
7499	2019-02-01	5000.00

CAD/INR
-0.29%

Search

ENG
IN

15:40:43
12-11-2024