Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 12

Server version: 5.7.21 MySQL Community Server (GPL)

Copyright (c) 2000, 2018, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

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

mysql> use db2;

Database changed

mysql> create table emp1(id int(5),name char(10),dob date,designation char(20),doj date,salary int(10),ddept char(15),primary key(id));

Query OK, 0 rows affected (0.06 sec)

mysql> desc emp1;

+-------------+----------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+----------+------+-----+---------+-------+

| id | int(5) | NO | PRI | NULL | |

| name | char(10) | YES | | NULL | |

| dob | date | YES | | NULL | |

| designation | char(20) | YES | | NULL | |

| doj | date | YES | | NULL | |

| salary | int(10) | YES | | NULL | |

| ddept | char(15) | YES | | NULL | |

+-------------+----------+------+-----+---------+-------+

7 rows in set (0.00 sec)

mysql> insert into emp1 values(1,'shashank','1998-08-08','analyst','2018-03-01',50000,'computer');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp1 values(2,'prajwal','1998-07-06','designer','2018-03-02',5000,'computer');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp1 values(3,'vishal','1997-08-29','manager','2015-02-01',80000,'EnTC');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from emp1;

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 2 | prajwal | 1998-07-06 | designer | 2018-03-02 | 5000 | computer |

| 3 | vishal | 1997-08-29 | manager | 2015-02-01 | 80000 | EnTC |

+----+----------+------------+-------------+------------+--------+----------+

3 rows in set (0.00 sec)

mysql> select \* from emp1 where ddept='computer';

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 2 | prajwal | 1998-07-06 | designer | 2018-03-02 | 5000 | computer |

+----+----------+------------+-------------+------------+--------+----------+

2 rows in set (0.03 sec)

mysql> select \* from emp1 where salary>40000;

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 3 | vishal | 1997-08-29 | manager | 2015-02-01 | 80000 | EnTC |

+----+----------+------------+-------------+------------+--------+----------+

2 rows in set (0.00 sec)

mysql> delete from emp1 where designation='designer';

Query OK, 1 row affected (0.00 sec)

mysql> select \* from emp1-> ;

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 3 | vishal | 1997-08-29 | manager | 2015-02-01 | 80000 | EnTC |

+----+----------+------------+-------------+------------+--------+----------+

2 rows in set (0.00 sec)

mysql> select name,min(salary) from emp1;

+----------+-------------+

| name | min(salary) |

+----------+-------------+

| shashank | 50000 |

+----------+-------------+

1 row in set (0.02 sec)

mysql> select name,dob,designation,salary,ddept from emp1 where salary=(select max(salary) from emp1);

+--------+------------+-------------+--------+-------+

| name | dob | designation | salary | ddept |

+--------+------------+-------------+--------+-------+

| vishal | 1997-08-29 | manager | 80000 | EnTC |

+--------+------------+-------------+--------+-------+

1 row in set (0.03 sec)

mysql> insert into emp1 values(4,'prajwal','1998-08-19','tester','2018-02-01',70000,'computer');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp1 values(5,'ankit','1998-07-13','developer','2018-05-03',40000,'EnTC');

Query OK, 1 row affected (0.00 sec)

mysql> select name,avg(salary) as "average salary" from emp1 group by name;

+----------+----------------+

| name | average salary |

+----------+----------------+

| ankit | 40000.0000 |

| prajwal | 70000.0000 |

| shashank | 50000.0000 |

| vishal | 80000.0000 |

+----------+----------------+

4 rows in set (0.00 sec)

mysql> select count(\*) from emp1 where ddept='computer';

+----------+

| count(\*) |

+----------+

| 2 |

+----------+

1 row in set (0.00 sec)

mysql> select \* from emp1 where name like 's%k';

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

+----+----------+------------+-------------+------------+--------+----------+

1 row in set (0.04 sec)

mysql> select \* from emp1 where salary between 40000 AND 60000;

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 5 | ankit | 1998-07-13 | developer | 2018-05-03 | 40000 | EnTC |

+----+----------+------------+-------------+------------+--------+----------+

2 rows in set (0.04 sec)

mysql> select \* from emp1 where ddept='computer' AND ddept='EnTC';

Empty set (0.00 sec)

mysql> select \* from emp1 where ddept='computer' OR ddept='EnTC';

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 4 | prajwal | 1998-08-19 | tester | 2018-02-01 | 70000 | computer |

| 3 | vishal | 1997-08-29 | manager | 2015-02-01 | 80000 | EnTC |

| 5 | ankit | 1998-07-13 | developer | 2018-05-03 | 40000 | EnTC |

+----+----------+------------+-------------+------------+--------+----------+

4 rows in set (0.00 sec)

mysql> create table emp2(id int(5),name char(10),dob date,designation char(15),doj date,salary int(10),ddept char(20),primary key(id));

Query OK, 0 rows affected (0.08 sec)

mysql> insert into emp2 values(1,'urja','1999-04-03','analyst','2018-08-01',40000,'computer');

Query OK, 1 row affected (0.03 sec)

mysql> insert into emp2 values(2,'sneha','1997-04-01','analyst','2018-07-02',35000,'EnTC');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp2 values(3,'aishwarya','1996-01-01','developer','2018-06-01',30000,'computer');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from emp2;

+----+-----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+-----------+------------+-------------+------------+--------+----------+

| 1 | urja | 1999-04-03 | analyst | 2018-08-01 | 40000 | computer |

| 2 | sneha | 1997-04-01 | analyst | 2018-07-02 | 35000 | EnTC |

| 3 | aishwarya | 1996-01-01 | developer | 2018-06-01 | 30000 | computer |

+----+-----------+------------+-------------+------------+--------+----------+

3 rows in set (0.00 sec)

mysql> select \* from emp1 UNION select \* from emp2;

+----+-----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+-----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 4 | prajwal | 1998-08-19 | tester | 2018-02-01 | 70000 | computer |

| 3 | vishal | 1997-08-29 | manager | 2015-02-01 | 80000 | EnTC |

| 5 | ankit | 1998-07-13 | developer | 2018-05-03 | 40000 | EnTC |

| 1 | urja | 1999-04-03 | analyst | 2018-08-01 | 40000 | computer |

| 2 | sneha | 1997-04-01 | analyst | 2018-07-02 | 35000 | EnTC |

| 3 | aishwarya | 1996-01-01 | developer | 2018-06-01 | 30000 | computer |

+----+-----------+------------+-------------+------------+--------+----------+

7 rows in set (0.00 sec)

mysql> select \* from emp1 where id IN(select id from emp2);

+----+----------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+----------+------------+-------------+------------+--------+----------+

| 1 | shashank | 1998-08-08 | analyst | 2018-03-01 | 50000 | computer |

| 3 | vishal | 1997-08-29 | manager | 2015-02-01 | 80000 | EnTC |

+----+----------+------------+-------------+------------+--------+----------+

2 rows in set (0.00 sec)

mysql> select \* from emp1 where id NOT IN(select id from emp2);

+----+---------+------------+-------------+------------+--------+----------+

| id | name | dob | designation | doj | salary | ddept |

+----+---------+------------+-------------+------------+--------+----------+

| 4 | prajwal | 1998-08-19 | tester | 2018-02-01 | 70000 | computer |

| 5 | ankit | 1998-07-13 | developer | 2018-05-03 | 40000 | EnTC |

+----+---------+------------+-------------+------------+--------+----------+