

CSA05 DATABASE MANAGEMENT SYSTEMS

DAY-2

P Madeena

FN

192211011

```
MySQL 8.0 Command Line Cll x + v
Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.0.32 MySQL Community Server - GPL

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

mysql> use madhipoojiharry;
Database changed
mysql> create table pinfo(id int,name char(20),gender char(2),age int,address varchar(20),state char(20),country char(20),regdate date);
Query OK, 0 rows affected (0.04 sec)

mysql> insert into pinfo values(1,"sheela","f",23,"yakutapura","telangana","india","2020-03-03");
Query OK, 1 row affected (0.02 sec)

mysql> insert into pinfo values(2,"rehan","m",21,"yelanka","karnataka","india","2020-11-13");
Query OK, 1 row affected (0.01 sec)

mysql> insert into pinfo values(3,"anay","m",56,"panipat","haryana","india","2021-12-12");
Query OK, 1 row affected (0.01 sec)

mysql> insert into pinfo values(4,"mahira","f",12,"thane","maharastra","india","2022-01-05");
Query OK, 1 row affected (0.01 sec)

mysql> select*from pinfo;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name  | gender | age  | address | state  | country | regdate |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | sheela | f      | 23   | yakutapura | telangana | india  | 2020-03-03 |
| 2  | rehan  | m      | 21   | yelanka   | karnataka | india  | 2020-11-13 |
| 3  | anay   | m      | 56   | panipat   | haryana  | india  | 2021-12-12 |
| 4  | mahira | f      | 12   | thane     | maharastra | india  | 2022-01-05 |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select*from patinfo;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name  | gender | age  | address | state  | country | regdate |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | sheela | f      | 23   | yakutapura | telangana | india  | 2020-03-03 |
| 2  | rehan  | m      | 21   | yelanka   | karnataka | india  | 2020-11-13 |
| 3  | anay   | m      | 56   | panipat   | haryana  | india  | 2021-12-12 |
| 4  | mahira | f      | 12   | thane     | maharastra | india  | 2022-01-05 |
| 5  | poori  | f      | 15   | kadapa    | andhra   | india  | 2022-07-15 |
+----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select name,gender,city from patinfo;
ERROR 1054 (42S22): Unknown column 'city' in 'field list'
mysql> select name,gender,state from patinfo;
+-----+-----+-----+
| name  | gender | state  |
+-----+-----+-----+
| sheela | f      | telangana |
| rehan  | m      | karnataka |
| anay   | m      | haryana  |
| mahira | f      | maharastra |
| poori  | f      | andhra   |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> rename table patinfo to patdet;
Query OK, 0 rows affected (0.03 sec)

mysql> delete from patdet where name="poori";
Query OK, 1 row affected (0.02 sec)

mysql> select*from patdet;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name  | gender | age  | address | state  | country | regdate |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | sheela | f      | 23   | yakutapura | telangana | india  | 2020-03-03 |
| 2  | rehan  | m      | 21   | yelanka   | karnataka | india  | 2020-11-13 |
| 3  | anay   | m      | 56   | panipat   | haryana  | india  | 2021-12-12 |
| 4  | mahira | f      | 12   | thane     | maharastra | india  | 2022-01-05 |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line C...
mysql> alter table patdet add column pincode int;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> update patdet pincode=516003 where name="rehan";
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 '=516003 where name="rehan"' at line 1
mysql> select*from patdet;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name  | gender | age | address | state | country | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1 | sheela | f      | 23 | yakutapura | telangana | india | 2020-03-03 | NULL |
| 2 | rehan  | m      | 21 | yelanka | karnataka | india | 2020-11-13 | NULL |
| 3 | anay   | m      | 56 | panipat | haryana | india | 2021-12-12 | NULL |
| 4 | mahira | f      | 12 | thane | maharastra | india | 2022-01-05 | NULL |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> update patdet set pincode=516003 where name="rehan";
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update patdet set pincode=516022 where name="sheela";
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update patdet set pincode=520381 where name="anay";
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update patdet set pincode=5203451 where name="mahira";
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select*from patdet;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name  | gender | age | address | state | country | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1 | sheela | f      | 23 | yakutapura | telangana | india | 2020-03-03 | 516022 |
| 2 | rehan  | m      | 21 | yelanka | karnataka | india | 2020-11-13 | 516003 |
| 3 | anay   | m      | 56 | panipat | haryana | india | 2021-12-12 | 520381 |
+----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line C...
mysql> select*from patdet name,id,country, age check(age>18);
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 'check(age>18)' at line 1
mysql> select*from patdet where age>18;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name  | gender | age | address | residence | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1 | sheela | f      | 23 | yakutapura | telangana | 2020-03-03 | 516022 |
| 2 | rehan  | m      | 21 | yelanka | karnataka | 2020-11-13 | 516003 |
| 3 | anay   | m      | 56 | panipat | haryana | 2021-12-12 | 520381 |
+----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> select name,id,residence from patdet where age>18;
+-----+-----+-----+
| name | id | residence |
+-----+-----+-----+
| sheela | 1 | telangana |
| rehan | 2 | karnataka |
| anay | 3 | haryana |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select distinct residence from patdet;
ERROR 1054 (42S22): Unknown column 'residence' in 'field list'
mysql> select distinct residence from patdet;
+-----+
| residence |
+-----+
| telangana |
| karnataka |
| haryana |
| maharastra |
+-----+
4 rows in set (0.00 sec)

mysql> select name,age from patdet order by age asc,name desc;
+-----+-----+
| name | age |
+-----+-----+
+-----+-----+
1 row in set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli x + v
mysql> select name,id,age from patdet where age>18 and id>0;
+-----+-----+-----+
| name | id | age |
+-----+-----+-----+
| sheela | 1 | 23 |
| rehan | 2 | 21 |
| anay | 3 | 56 |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select name,id,age from patdet where age>18 or id>0;
+-----+-----+-----+
| name | id | age |
+-----+-----+-----+
| sheela | 1 | 23 |
| rehan | 2 | 21 |
| anay | 3 | 56 |
| mahira | 4 | 12 |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select name,id,age from patdet where not age>18;
+-----+-----+-----+
| name | id | age |
+-----+-----+-----+
| mahira | 4 | 12 |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select name,id,age from patdet where age between 10 and 100;;
+-----+-----+-----+
| name | id | age |
+-----+-----+-----+
| sheela | 1 | 23 |
| rehan | 2 | 21 |
| anay | 3 | 56 |
| mahira | 4 | 12 |
+-----+-----+-----+
4 rows in set (0.00 sec)

ERROR:
```

```
MySQL 8.0 Command Line Cli x + v
mysql> select id,age,name,residence from patdet where exists(select residence from patdet where age =12);
+-----+-----+-----+-----+
| id | age | name | residence |
+-----+-----+-----+-----+
| 1 | 23 | sheela | telangana |
| 2 | 21 | rehan | karnataka |
| 3 | 56 | anay | haryana |
| 4 | 12 | mahira | maharastra |
+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> select id,age, from patdet where exists(select residence from patdet where age =12);
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 'from patdet where exists(select residence from patdet where age =12)' at line 1
mysql> select id,age,residence from patdet where exists(select residence from patdet where age =12);
+-----+-----+-----+
| id | age | residence |
+-----+-----+-----+
| 1 | 23 | telangana |
| 2 | 21 | karnataka |
| 3 | 56 | haryana |
| 4 | 12 | maharastra |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select sum(age) from patdet;
+-----+
| sum(age) |
+-----+
| 112 |
+-----+
1 row in set (0.01 sec)

mysql> select avg(name) from patdet;
+-----+
| avg(name) |
+-----+
| 0 |
+-----+
1 row in set, 4 warnings (0.01 sec)
```