

# CSA05 DATABASE MANAGEMENT SYSTEM

DATE:29-04-23

```
MySQL 8.0 Command Line Client - Unicode
mysql> create table detailspt(id int primary key,name char(20) not null,gender char(20),age int,address varchar(40),state char(20),country char(20),regdate date);
Query OK, 0 rows affected (0.05 sec)

mysql> desc detailspt;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id     | int  | NO   | PRI | NULL    |       |
| name   | char(20) | NO   |     | NULL    |       |
| gender | char(20) | YES  |     | NULL    |       |
| age    | int  | YES  |     | NULL    |       |
| address | varchar(40) | YES  |     | NULL    |       |
| state  | char(20) | YES  |     | NULL    |       |
| country | char(20) | YES  |     | NULL    |       |
| regdate | date | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> insert into detailspt(1,"arun","m",23,"chittoor","andhrapradesh","india","2020-03-04");
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 '1,'
arun','m',23,'chittoor','andhrapradesh','india','2020-03-04';' at line 1
mysql> insert into detailspt values(1,"arun","m",23,"chittoor","andhrapradesh","india","2020-03-04");
Query OK, 1 row affected (0.03 sec)

mysql> insert into detailspt values(2,"mahir","f",25,"ladakh","j&k","india","2020-05-05");
Query OK, 1 row affected (0.03 sec)

mysql> insert into detailspt values(3,"raju","m",29,"yakutapura","telangana","india","2021-08-23");
Query OK, 1 row affected (0.03 sec)

mysql> select *from detailspt;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name | gender | age | address | state | country | regdate |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | arun | m      | 23  | chittoor | andhrapradesh | india | 2020-03-04 |
| 2  | mahi | f      | 25  | ladakh  | j&k | india | 2020-05-05 |
| 3  | raju | m      | 29  | yakutapura | telangana | india | 2021-08-23 |
+----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Client - Unicode
mysql> select name,gender,age from detailspt;
+-----+-----+-----+
| name | gender | age |
+-----+-----+-----+
| arun | m      | 23  |
| mahi | f      | 25  |
| raju | m      | 29  |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> alter table detailspt add column pincode int;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select *from detailspt;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name | gender | age | address | state | country | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | arun | m      | 23  | chittoor | andhrapradesh | india | 2020-03-04 | NULL |
| 2  | mahi | f      | 25  | ladakh  | j&k | india | 2020-05-05 | NULL |
| 3  | raju | m      | 29  | yakutapura | telangana | india | 2021-08-23 | NULL |
+----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> update detailspt set pincode=517124 where name="arun";
ERROR 1146 (42S02): Table 'sse.detailspt' doesn't exist
mysql> update detailspt set pincode=517124 where name="arun";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update detailspt set pincode=234561 where name="mahir";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update detailspt set pincode=5000021 where name ="raju";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select *from detailspt;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | name | gender | age | address | state | country | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | arun | m      | 23  | chittoor | andhrapradesh | india | 2020-03-04 | 517124 |
| 2  | mahi | f      | 25  | ladakh  | j&k | india | 2020-05-05 | 234561 |
| 3  | raju | m      | 29  | yakutapura | telangana | india | 2021-08-23 | 5000021 |
+----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select name,gender,age from detailspt;
+-----+-----+-----+
| name | gender | age |
+-----+-----+-----+
| arun  | m      | 23  |
| mahi  | f      | 25  |
| raju  | m      | 29  |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> alter table detailspt add column pincode int;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select *from detailspt;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | name | gender | age | address | state | country | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1  | arun | m      | 23  | chittoor | andhrapradesh | india | 2020-03-04 | NULL |
| 2  | mahi | f      | 25  | ladakh  | j&k | india | 2020-05-05 | NULL |
| 3  | raju | m      | 29  | yakutapura | telangana | india | 2021-08-23 | NULL |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> update detailspt set pincode=517124 where name="arun";
ERROR 1146 (42S02): Table 'ss detailspt' doesn't exist
mysql> update detailspt set pincode=517124 where name="arun";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update detailspt set pincode=234561 where name="mahi";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update detailspt set pincode=5000021 where name ="raju";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select *from detailspt;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | name | gender | age | address | state | country | regdate | pincode |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1  | arun | m      | 23  | chittoor | andhrapradesh | india | 2020-03-04 | 517124 |
| 2  | mahi | f      | 25  | ladakh  | j&k | india | 2020-05-05 | 234561 |
| 3  | raju | m      | 29  | yakutapura | telangana | india | 2021-08-23 | 5000021 |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select name,id,state from detailspt where age>20;
+-----+-----+-----+
| name | id | state |
+-----+-----+-----+
| arun  | 1  | andhrapradesh |
| mahi  | 2  | j&k |
| raju  | 3  | telangana |
+-----+-----+-----+
3 rows in set (0.02 sec)

mysql> select state from detailspt;
+-----+
| state |
+-----+
| andhrapradesh |
| j&k |
| telangana |
+-----+
3 rows in set (0.00 sec)

mysql> select name,age from detailspt order by age des;
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 'des' at line 1
mysql> select name,age from detailspt order by age desc;
+-----+-----+
| name | age |
+-----+-----+
| raju  | 29  |
| mahi  | 25  |
| arun  | 23  |
+-----+-----+
3 rows in set (0.02 sec)

mysql> select name,id,age from detailspt where age>20 and id>0;
+-----+-----+-----+
| name | id | age |
+-----+-----+-----+
| arun  | 1  | 23  |
| mahi  | 2  | 25  |
| raju  | 3  | 29  |
+-----+-----+-----+
3 rows in set (0.03 sec)

mysql> select name,id,age from detailspt where age>20 or id>0;
+-----+-----+-----+
| name | id | age |
+-----+-----+-----+
| arun  | 1  | 23  |
+-----+-----+-----+
1 rows in set (0.00 sec)
```

```
mysql> select name,id,age from detailspt where age>20 or id>0;
+----+-----+-----+
| name | id | age |
+----+-----+-----+
| arun  | 1 | 23  |
| mahi  | 2 | 25  |
| raju  | 3 | 29  |
+----+-----+-----+
3 rows in set (0.00 sec)

mysql> select name,id,age from detailspt where not age>25;
+----+-----+-----+
| name | id | age |
+----+-----+-----+
| arun  | 1 | 23  |
| mahi  | 2 | 25  |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> select name,id,age from detailspt where age between 20 and 24;
+----+-----+-----+
| name | id | age |
+----+-----+-----+
| arun  | 1 | 23  |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select name,id,age,name,state from detailspt where exists(select state from detailspt where age=13);
ERROR 1146 (42S02): Table 'sse.detailspt' doesn't exist
mysql> select name,id,age,name,state from detailspt where exists(select state from detailspt where age=23);
ERROR 1146 (42S02): Table 'sse.detailspt' doesn't exist
mysql> select name,id,age,state from detailspt where exists(select state from detailspt where age=23);
ERROR 1146 (42S02): Table 'sse.detailspt' doesn't exist
mysql> select name,id,age,state from detailspt where exists(select state from detailspt where age=23);
+----+-----+-----+-----+
| name | id | age | state |
+----+-----+-----+-----+
| arun  | 1 | 23  | andhrapradesh |
| mahi  | 2 | 25  | j&k |
| raju  | 3 | 29  | telangana |
+----+-----+-----+-----+
3 rows in set (0.03 sec)

mysql> select id,age,state from detailspt where exists(select state from detailspt where age=23);
+----+-----+-----+
| id | age | state |
+----+-----+-----+
| 1  | 23  | andhrapradesh |
+----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select name,id,age,state from detailspt;
+----+-----+-----+-----+
| name | id | age | state |
+----+-----+-----+-----+
| arun  | 1 | 23  | andhrapradesh |
| mahi  | 2 | 25  | j&k |
| raju  | 3 | 29  | telangana |
+----+-----+-----+-----+
3 rows in set (0.03 sec)

mysql> select id,age,state from detailspt where exists(select state from detailspt where age=23);
+----+-----+-----+
| id | age | state |
+----+-----+-----+
| 1  | 23  | andhrapradesh |
| 2  | 25  | j&k |
| 3  | 29  | telangana |
+----+-----+-----+
3 rows in set (0.00 sec)

mysql> select sum(age) from detailspt;
+-----+
| sum(age) |
+-----+
| 77 |
+-----+
1 row in set (0.02 sec)

mysql> select avg(age) from detailspt;
+-----+
| avg(age) |
+-----+
| 25.6667 |
+-----+
1 row in set (0.00 sec)

mysql> select avg(name) from detailspt;
+-----+
| avg(name) |
+-----+
| 0 |
+-----+
1 row in set, 3 warnings (0.00 sec)

mysql>
```