

1.DDL commands- CREATE,ALTER,DROP

```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.29 MySQL Community Server - GPL

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

mysql> create database students2;
Query OK, 1 row affected (0.01 sec)

mysql> use students2;
Database changed
mysql> create table students2(st_regno int,st_name char(20),st_dob int);
Query OK, 0 rows affected (0.04 sec)

mysql> desc students2;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| st_regno | int | YES | | NULL | |
| st_name | char(20) | YES | | NULL | |
| st_dob | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into students2(192111171,'pavani',25-06-2004);
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 '192111171,'pavani',25-06-2004)' at line 1
mysql> insert into students2 values(192111171,'pavani',25-06-2004);
Query OK, 1 row affected (0.01 sec)

mysql> insert into students2 values(192111161,'bindu',24-06-2004);
Query OK, 1 row affected (0.01 sec)

mysql> select*from students2;
+-----+-----+-----+
| st_regno | st_name | st_dob |
+-----+-----+-----+
```

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MySQL 8.0 Command Line Client - Unicode
+----+-----+-----+
| st_regno | st_name | st_dob |
+----+-----+-----+
| 192111171 | pavani  | -1985  |
| 192111161 | bindu   | -1986  |
+----+-----+-----+
2 rows in set (0.01 sec)

mysql> alter table students2 add(st_phoneno int);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc students2;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| st_regno | int | YES | | NULL | |
| st_name | char(20) | YES | | NULL | |
| st_dob | int | YES | | NULL | |
| st_phoneno | int | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> alter table students2 delete(st_dob int);
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 'delete(st_dob int)' at line 1
mysql> alter table students2 delete column st_dob;
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 'delete column st_dob' at line 1
mysql> alter table students2 drop column st_dob;
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc students2;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| st_regno | int | YES | | NULL | |
| st_name | char(20) | YES | | NULL | |
| st_phoneno | int | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> truncate table st_regno;

29°C
Partly cloudy
07:11 PM
26-09-2022

MySQL 8.0 Command Line Client - Unicode
mysql> truncate table st_regno;
ERROR 1146 (42S02): Table 'students2.st_regno' doesn't exist
mysql> truncate table students2;
Query OK, 0 rows affected (0.04 sec)

mysql> desc students2;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| st_regno | int | YES | | NULL | |
| st_name | char(20) | YES | | NULL | |
| st_phoneno | int | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> drop table students2;
Query OK, 0 rows affected (0.03 sec)

mysql> desc students2;
ERROR 1146 (42S02): Table 'students2.students2' doesn't exist
mysql>
```

QUESTIONS:

Outputs;

1.

```
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Enter password: *****
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Your MySQL connection id is 17
Server version: 8.0.29 MySQL Community Server - GPL

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

mysql> create database students;
Query OK, 1 row affected (0.07 sec)

mysql> use students;
Database changed
mysql> create table students(regno int(3),name varchar(15),gender char(1),dob int,moblieno int,city varchar(15));
Query OK, 0 rows affected, 1 warning (1.07 sec)

mysql> desc students;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| regno | int  | YES  |     | NULL    |       |
| name  | varchar(15) | YES  |     | NULL    |       |
| gender | char(1) | YES  |     | NULL    |       |
| dob   | int   | YES  |     | NULL    |       |
| mobilieno | int | YES  |     | NULL    |       |
| city  | varchar(15) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.02 sec)

mysql>
```

2.outputs;

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 18
Server version: 8.0.29 MySQL Community Server - GPL

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

mysql> create database faculty;
Query OK, 1 row affected (0.12 sec)

mysql> use faculty;
Database changed
mysql> create table faculty(facno int,facname varchar(15),gender char(10),dob int,doj int,mobileneno int);
Query OK, 0 rows affected (0.97 sec)

mysql> desc faculty;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| facno | int  | YES  |     | NULL    |       |
| facname | varchar(15) | YES  |     | NULL    |       |
| gender | char(10) | YES  |     | NULL    |       |
| dob   | int   | YES  |     | NULL    |       |
| doj   | int   | YES  |     | NULL    |       |
| mobileneno | int | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>
```

3.output;

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.29 MySQL Community Server - GPL

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

mysql> create database department;
Query OK, 1 row affected (0.10 sec)

mysql> use department;
Database changed
mysql> create table department(depno int, depname varchar(15),dephead varchar(4));
Query OK, 0 rows affected (0.96 sec)

mysql> desc department;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| depno | int           | YES  |     | NULL    |       |
| depname | varchar(15)   | YES  |     | NULL    |       |
| dephead | varchar(4)    | YES  |     | NULL    |       |
+-----+
3 rows in set (0.00 sec)

mysql>
```

4.output;

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 8.0.29 MySQL Community Server - GPL

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

mysql> create database courses;
Query OK, 1 row affected (0.08 sec)

mysql> use courses;
Database changed
mysql> create table courses(courseno int,course desc varchar(10),coursetype char(1),semno char(1),hallno int,facno int);
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 'desc varchar(10),coursetype char(1),semno char(1),hallno int,facno int)' at line 1
mysql> create table courses(courseno int,course desc varchar(10),coursetype char(1),semno int,hallno int,facno int);
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 'desc varchar(10),coursetype char(1),semno int,hallno int,facno int)' at line 1
mysql> create table courses(courseno int,coursedesc varchar(10),semno int,hallno int,facno int);
Query OK, 0 rows affected (0.93 sec)

mysql> desc courses;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| courseno | int           | YES  |     | NULL    |       |
| coursedesc | varchar(10)   | YES  |     | NULL    |       |
| semno | int           | YES  |     | NULL    |       |
| hallno | int           | YES  |     | NULL    |       |
| facno | int           | YES  |     | NULL    |       |
+-----+
5 rows in set (0.00 sec)

mysql>
```

5.outputs;

```
MySQL 8.0 Command Line Client
owners.

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

mysql> create database faculties;
Query OK, 1 row affected (0.09 sec)

mysql> use faculties;
Database changed
mysql> create table faculties(facno int,factname char,gender char,dob int,doj int,mobileno int);
Query OK, 0 rows affected (0.32 sec)

mysql> desc faculties;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| facno | int  | YES  |     | NULL    |       |
| factname | char(1) | YES  |     | NULL    |       |
| gender | char(1) | YES  |     | NULL    |       |
| dob | int  | YES  |     | NULL    |       |
| doj | int  | YES  |     | NULL    |       |
| mobileno | int  | YES  |     | NULL    |       |
+-----+
6 rows in set (0.00 sec)

mysql> alter table faculties add(depno varchar(4));
Query OK, 0 rows affected (0.24 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc faculties;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| facno | int  | YES  |     | NULL    |       |
| factname | char(1) | YES  |     | NULL    |       |
| gender | char(1) | YES  |     | NULL    |       |
| dob | int  | YES  |     | NULL    |       |
| doj | int  | YES  |     | NULL    |       |
| mobileno | int  | YES  |     | NULL    |       |
| depno | varchar(4) | YES  |     | NULL    |       |
+-----+
7 rows in set (0.00 sec)

mysql>
```