```
Enter password: *********
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 20
Server version: 8.0.43 MySQL Community Server - GPL
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owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| nit                |
| performance_schema |
| sys                |
| testdb             |
+--------------------+
6 rows in set (0.01 sec)
mysql> use nit;
Database changed
mysql> desc customers;
ERROR 1146 (42S02): Table 'nit.customers' doesn't exist
mysql> desc students;
ERROR 1146 (42S02): Table 'nit.students' doesn't exist
mysql> desc student;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| name    | varchar(30) | YES  |     | NULL    |       |
| id      | int         | NO   | PRI | NULL    |       |
| address | varchar(50) | YES  |     | NULL    |       |
| marks   | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
mysql> select * from student;
+------+----+---------+-------+
| name | id | address | marks |
+------+----+---------+-------+
| Raj  | 12 | hyd     |    78 |
+------+----+---------+-------+
1 row in set (0.00 sec)
mysql> insert into student
    -> values
    -> ('Dolly',13,'bng',88);
Query OK, 1 row affected (0.02 sec)
mysql> ('Kodi',14,'Mumbai',94);
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 ''Kodi',14,'Mumbai',94)' at line 1
mysql> ('Kodi',14,'Mumbai',94);
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 ''Kodi',14,'Mumbai',94)' at line 1
mysql> insert into student
    -> values
    -> ('Kodi',14,'Mumbai',94);
Query OK, 1 row affected (0.02 sec)
mysql> insert into student
    -> values
    -> ('Sahil',15,'Pune',90);
Query OK, 1 row affected (0.01 sec)
mysql> insert into student
    -> values
    -> ('Prakash',16,'Delhi',88);
Query OK, 1 row affected (0.04 sec)
mysql> insert into student
    -> values
    -> ('Cathy',17,'hyd',89);
Query OK, 1 row affected (0.01 sec)
mysql> select * from student;
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| Raj     | 12 | hyd     |    78 |
| Dolly   | 13 | bng     |    88 |
| Kodi    | 14 | Mumbai  |    94 |
| Sahil   | 15 | Pune    |    90 |
| Prakash | 16 | Delhi   |    88 |
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| Cathy   | 17 | hyd     |    89 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
mysql> select name from student;
+---------+
| name    |
+---------+
| Raj     |
| Dolly   |
| Kodi    |
| Sahil   |
| Prakash |
| Cathy   |
+---------+
6 rows in set (0.00 sec)
mysql> select name , id from student;
+---------+----+
| name    | id |
+---------+----+
| Raj     | 12 |
| Dolly   | 13 |
| Kodi    | 14 |
| Sahil   | 15 |
| Prakash | 16 |
| Cathy   | 17 |
+---------+----+
6 rows in set (0.00 sec)
mysql> select * from student where id = 12;
+------+----+---------+-------+
| name | id | address | marks |
+------+----+---------+-------+
| Raj  | 12 | hyd     |    78 |
+------+----+---------+-------+
1 row in set (0.00 sec)
mysql> select * from student where id = 17;
+-------+----+---------+-------+
| name  | id | address | marks |
+-------+----+---------+-------+
| Cathy | 17 | hyd     |    89 |
+-------+----+---------+-------+
1 row in set (0.00 sec)
mysql> select * from student;
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| Raj     | 12 | hyd     |    78 |
| Dolly   | 13 | bng     |    88 |
| Kodi    | 14 | Mumbai  |    94 |
| Sahil   | 15 | Pune    |    90 |
| Prakash | 16 | Delhi   |    88 |
| Cathy   | 17 | hyd     |    89 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
mysql> update student set address = 'Chennai' where id = 17;
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0
mysql> select * from student;
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| Raj     | 12 | hyd     |    78 |
| Dolly   | 13 | bng     |    88 |
| Kodi    | 14 | Mumbai  |    94 |
| Sahil   | 15 | Pune    |    90 |
| Prakash | 16 | Delhi   |    88 |
| Cathy   | 17 | Chennai |    89 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
mysql> insert into values('Sam', 15, 'hyd',91);
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 'values('Sam', 15, 'hyd',91)' at line 1
mysql> select * from student;
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| Raj     | 12 | hyd     |    78 |
| Dolly   | 13 | bng     |    88 |
| Kodi    | 14 | Mumbai  |    94 |
| Sahil   | 15 | Pune    |    90 |
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| Prakash | 16 | Delhi   |    88 |
| Cathy   | 17 | Chennai |    89 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
mysql> alter table student add phoneNo int;
Query OK, 0 rows affected (0.36 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> select * from student;
+---------+----+---------+-------+---------+
| name    | id | address | marks | phoneNo |
+---------+----+---------+-------+---------+
| Raj     | 12 | hyd     |    78 |    NULL |
| Dolly   | 13 | bng     |    88 |    NULL |
| Kodi    | 14 | Mumbai  |    94 |    NULL |
| Sahil   | 15 | Pune    |    90 |    NULL |
| Prakash | 16 | Delhi   |    88 |    NULL |
| Cathy   | 17 | Chennai |    89 |    NULL |
+---------+----+---------+-------+---------+
6 rows in set (0.00 sec)
mysql> update student set phoneNo=123;
Query OK, 6 rows affected (0.02 sec)
Rows matched: 6  Changed: 6  Warnings: 0
mysql> select * from student;
+---------+----+---------+-------+---------+
| name    | id | address | marks | phoneNo |
+---------+----+---------+-------+---------+
| Raj     | 12 | hyd     |    78 |     123 |
| Dolly   | 13 | bng     |    88 |     123 |
| Kodi    | 14 | Mumbai  |    94 |     123 |
| Sahil   | 15 | Pune    |    90 |     123 |
| Prakash | 16 | Delhi   |    88 |     123 |
| Cathy   | 17 | Chennai |    89 |     123 |
+---------+----+---------+-------+---------+
6 rows in set (0.00 sec)
mysql> update student set phoneNo=987 where id = 14;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
mysql> select * from student;
+---------+----+---------+-------+---------+
| name    | id | address | marks | phoneNo |
+---------+----+---------+-------+---------+
| Raj     | 12 | hyd     |    78 |     123 |
| Dolly   | 13 | bng     |    88 |     123 |
| Kodi    | 14 | Mumbai  |    94 |     987 |
| Sahil   | 15 | Pune    |    90 |     123 |
| Prakash | 16 | Delhi   |    88 |     123 |
| Cathy   | 17 | Chennai |    89 |     123 |
+---------+----+---------+-------+---------+
6 rows in set (0.00 sec)
mysql> desc student;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| name    | varchar(30) | YES  |     | NULL    |       |
| id      | int         | NO   | PRI | NULL    |       |
| address | varchar(50) | YES  |     | NULL    |       |
| marks   | int         | YES  |     | NULL    |       |
| phoneNo | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
mysql> alter table student modify column name varchar(60);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> alter table student modify column address varchar(100);
Query OK, 6 rows affected (0.24 sec)
Records: 6  Duplicates: 0  Warnings: 0
mysql> desc student;
+---------+--------------+------+-----+---------+-------+
| Field   | Type         | Null | Key | Default | Extra |
+---------+--------------+------+-----+---------+-------+
| name    | varchar(60)  | YES  |     | NULL    |       |
| id      | int          | NO   | PRI | NULL    |       |
| address | varchar(100) | YES  |     | NULL    |       |
| marks   | int          | YES  |     | NULL    |       |
| phoneNo | int          | YES  |     | NULL    |       |
+---------+--------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
mysql> select * from student;
+---------+----+---------+-------+---------+
```

```
| name    | id | address | marks | phoneNo |
+---------+----+---------+-------+---------+
| Raj     | 12 | hyd     |    78 |     123 |
| Dolly   | 13 | bng     |    88 |     123 |
| Kodi    | 14 | Mumbai  |    94 |     987 |
| Sahil   | 15 | Pune    |    90 |     123 |
| Prakash | 16 | Delhi   |    88 |     123 |
| Cathy   | 17 | Chennai |    89 |     123 |
+---------+----+---------+-------+---------+
6 rows in set (0.00 sec)
mysql> alter table student drop column phoneNo;
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> select * from student;
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| Raj     | 12 | hyd     |    78 |
| Dolly   | 13 | bng     |    88 |
| Kodi    | 14 | Mumbai  |    94 |
| Sahil   | 15 | Pune    |    90 |
| Prakash | 16 | Delhi   |    88 |
| Cathy   | 17 | Chennai |    89 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
mysql>
```