mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

6 rows in set (0.01 sec)

mysql> create database employee;

Query OK, 1 row affected (0.05 sec)

mysql> show databases;

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

| Database |

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

| employee |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

7 rows in set (0.00 sec)

mysql> use employee;

Database changed

mysql> create table Dept

-> (

-> DeptID int NOT NULL

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> show tables

-> ;

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

| Tables\_in\_employee |

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

| dept |

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

1 row in set (0.00 sec)

mysql> create database MSP;

Query OK, 1 row affected (0.01 sec)

mysql> use MSP;

Database changed

mysql> create table user(

-> User\_ID int NOT NULL,

-> Name varchar(25) NOT NULL,

-> Password varchar(25) NOT NULL,

-> Email varchar(30) NOT NULL,

-> PhoneNo int(10),

-> Primary Key(User\_ID)

-> );

Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> show tables

-> ;

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

| Tables\_in\_msp |

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

| user |

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

1 row in set (0.00 sec)

mysql> desc user;

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

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

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

| User\_ID | int | NO | PRI | NULL | |

| Name | varchar(25) | NO | | NULL | |

| Password | varchar(25) | NO | | NULL | |

| Email | varchar(30) | NO | | NULL | |

| PhoneNo | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table user

-> add City char(20);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc user;

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

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

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

| User\_ID | int | NO | PRI | NULL | |

| Name | varchar(25) | NO | | NULL | |

| Password | varchar(25) | NO | | NULL | |

| Email | varchar(30) | NO | | NULL | |

| PhoneNo | int | YES | | NULL | |

| City | char(20) | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> alter table user

-> drop City;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc user;

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

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

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

| User\_ID | int | NO | PRI | NULL | |

| Name | varchar(25) | NO | | NULL | |

| Password | varchar(25) | NO | | NULL | |

| Email | varchar(30) | NO | | NULL | |

| PhoneNo | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table user

-> modify Name varchar(30);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc user;

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

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

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

| User\_ID | int | NO | PRI | NULL | |

| Name | varchar(30) | YES | | NULL | |

| Password | varchar(25) | NO | | NULL | |

| Email | varchar(30) | NO | | NULL | |

| PhoneNo | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table user

-> rename User\_ID to UserID;

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 'to UserID' at line 2

mysql> alter table user

-> modify User\_ID to UserID;

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 'to UserID' at line 2

mysql> alter table user

-> rename User\_ID to UserID;

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 'to UserID' at line 2

mysql> alter table user

-> rename User\_ID To UserID;

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 'To UserID' at line 2

mysql> alter table user

-> rename column User\_ID to UserID;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc user;

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

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

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

| UserID | int | NO | PRI | NULL | |

| Name | varchar(30) | YES | | NULL | |

| Password | varchar(25) | NO | | NULL | |

| Email | varchar(30) | NO | | NULL | |

| PhoneNo | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> truncate table user;

Query OK, 0 rows affected (0.02 sec)

mysql> desc user;

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

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

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

| UserID | int | NO | PRI | NULL | |

| Name | varchar(30) | YES | | NULL | |

| Password | varchar(25) | NO | | NULL | |

| Email | varchar(30) | NO | | NULL | |

| PhoneNo | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> select UserID, Name

-> from user;

Empty set (0.00 sec)

mysql> insert into user values(01,'Ronak','abc123','ronakprasad@gmail.com',9876543212);

ERROR 1264 (22003): Out of range value for column 'PhoneNo' at row 1

mysql> alter table user modify PhoneNo bigint;

Query OK, 0 rows affected (0.19 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into user values(01,'Ronak','abc123','ronakprasad@gmail.com',9876543212),(02,'Joshua','xyz123','joshua@gmail.com',7897654672),(03,'Eminem','qwe123,'eminem@gmail.com',6789698765),(04,'Rihanna','rir123','riri@gmail.com',7896786789),(05,'Tyler','tyl123','tyler@gmail.com',6789678967);

mysql> insert into user values(01,'Ronak','abc123','ronakprasad@gmail.com',9876543212);

Query OK, 1 row affected (0.00 sec)

mysql> insert into user values(02,'Joshua','xyz123','joshua@gmail.com',7897654672);

Query OK, 1 row affected (0.00 sec)

mysql> select UserID,Name

-> from user;

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

| UserID | Name |

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

| 1 | Ronak |

| 2 | Joshua |

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

2 rows in set (0.00 sec)

mysql> insert into user values(03,'Eminem','qwe123','eminem@gmail.com',6789698765),(04,'Rihanna','rir123','riri@gmail.com',7896786789),(05,'Tyler','tyl123','tyler@gmail.com',6789678967);

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select UserID,Name

-> from user;

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

| UserID | Name |

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

| 1 | Ronak |

| 2 | Joshua |

| 3 | Eminem |

| 4 | Rihanna |

| 5 | Tyler |

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

5 rows in set (0.00 sec)

mysql> update user

-> set PhoneNo = 9876548978

-> where UserID = 03;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \*

-> from user;

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

| UserID | Name | Password | Email | PhoneNo |

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

| 1 | Ronak | abc123 | ronakprasad@gmail.com | 9876543212 |

| 2 | Joshua | xyz123 | joshua@gmail.com | 7897654672 |

| 3 | Eminem | qwe123 | eminem@gmail.com | 9876548978 |

| 4 | Rihanna | rir123 | riri@gmail.com | 7896786789 |

| 5 | Tyler | tyl123 | tyler@gmail.com | 6789678967 |

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

5 rows in set (0.00 sec)

mysql> delete from user

-> where Name = 'Tyler';

Query OK, 1 row affected (0.04 sec)

mysql> select \*

->

-> from user;

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

| UserID | Name | Password | Email | PhoneNo |

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

| 1 | Ronak | abc123 | ronakprasad@gmail.com | 9876543212 |

| 2 | Joshua | xyz123 | joshua@gmail.com | 7897654672 |

| 3 | Eminem | qwe123 | eminem@gmail.com | 9876548978 |

| 4 | Rihanna | rir123 | riri@gmail.com | 7896786789 |

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

4 rows in set (0.00 sec)

mysql>