**mysql> show databases;**

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

| Database |

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

| dummydb |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

7 rows in set (0.01 sec)

mysql> /\*dummydb is a dummy database\*/

**mysql> use dummydb;**

Database changed

**mysql> show tables;**

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

| Tables\_in\_dummydb |

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

| students |

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

1 row in set (0.01 sec)

**mysql> desc students;**

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

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

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

| Register\_Number | int | YES | | NULL | |

| Name | varchar(50) | YES | | NULL | |

| DOB | int | YES | | NULL | |

| Dept | varchar(20) | YES | | NULL | |

| CIA1 | int | YES | | NULL | |

| CourseCode | varchar(10) | YES | | NULL | |

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

6 rows in set (0.03 sec)

**mysql> create dummydb2;**

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 'dummydb2' at line 1

**mysql>** **create database dummydb2;**

Query OK, 1 row affected (0.02 sec)

**mysql>** **show databases;**

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

| Database |

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

| dummydb |

| dummydb2 |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

8 rows in set (0.01 sec)

**mysql>** **use dummydb2;**

Database changed

mysql**> create table EMP;**

ERROR 4028 (HY000): A table must have at least one visible column.

**mysql>** **create table EMP(empName varchar(50) empId 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 'empId int)' at line 1

**mysql>** **create table EMP(empName varchar(50),empId int);**

Query OK, 0 rows affected (0.10 sec)

**mysql>** **show tables;**

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

| Tables\_in\_dummydb2 |

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

| emp |

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

1 row in set (0.00 sec)

**mysql> desc emp**

**-> ;**

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

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

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

| empName | varchar(50) | YES | | NULL | |

| empId | int | YES | | NULL | |

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

2 rows in set (0.03 sec)

**mysql> create table Emp2 as select empName, empId from emp;**

Query OK, 0 rows affected (0.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> show tables;**

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

| Tables\_in\_dummydb2 |

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

| emp |

| emp2 |

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

2 rows in set (0.03 sec)

**mysql> desc emp2;**

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

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

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

| empName | varchar(50) | YES | | NULL | |

| empId | int | YES | | NULL | |

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

2 rows in set (0.03 sec)

**mysql> alter table emp rename to Employee;**

Query OK, 0 rows affected (0.09 sec)

**mysql> show tables;**

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

| Tables\_in\_dummydb2 |

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

| emp2 |

| employee |

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

2 rows in set (0.04 sec)

**mysql> alter table employee rename empname to Name;**

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 Name' at line 1

mysql>

mysql>

**mysql> alter table employee rename column empname to Name, rename column empId to Id;**

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> desc employee;**

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

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

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

| Name | varchar(50) | YES | | NULL | |

| Id | int | YES | | NULL | |

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

2 rows in set (0.04 sec)

**mysql> alter table Employee add Designation varchar(30);**

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> desc employee;**

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

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

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

| Name | varchar(50) | YES | | NULL | |

| Id | int | YES | | NULL | |

| Designation | varchar(30) | YES | | NULL | |

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

3 rows in set (0.00 sec)

**mysql> alter table Employee drop Designation ;**

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> alter table Employee add Designation varchar(30), add Random int;**

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> desc employee;**

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

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

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

| Name | varchar(50) | YES | | NULL | |

| Id | int | YES | | NULL | |

| Designation | varchar(30) | YES | | NULL | |

| Random | int | YES | | NULL | |

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

4 rows in set (0.01 sec)

**mysql> alter table Employee drop Random ;**

Query OK, 0 rows affected (0.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> desc employee;**

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

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

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

| Name | varchar(50) | YES | | NULL | |

| Id | int | YES | | NULL | |

| Designation | varchar(30) | YES | | NULL | |

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

3 rows in set (0.00 sec)

**mysql> alter table Employee modify Id long;**

Query OK, 0 rows affected (0.15 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> desc employee;**

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

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

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

| Name | varchar(50) | YES | | NULL | |

| Id | mediumtext | YES | | NULL | |

| Designation | varchar(30) | YES | | NULL | |

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

3 rows in set (0.01 sec)

**mysql> truncate emp2;**

Query OK, 0 rows affected (0.08 sec)

**mysql> show tables;**

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

| Tables\_in\_dummydb2 |

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

| emp2 |

| employee |

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

2 rows in set (0.00 sec)

**mysql> desc emp2;**

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

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

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

| empName | varchar(50) | YES | | NULL | |

| empId | int | YES | | NULL | |

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

2 rows in set (0.03 sec)

**mysql> select \* from emp2;**

Empty set (0.00 sec)

mysql> /\*TRUNCATE COMMAND DELETES DATA INSIDE THE TABLE BUT NOT THE TABLE ITSELF\*/

mysql>

**mysql> delete employee;**

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 '' at line 1

**mysql> delete table employee;**

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 'table employee' at line 1

**mysql> delete from table employee;**

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 'table employee' at line 1

**mysql> delete from employee;**

Query OK, 0 rows affected (0.00 sec)

**mysql> show tables;**

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

| Tables\_in\_dummydb2 |

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

| emp2 |

| employee |

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

2 rows in set (0.00 sec)

mysql> /\*DELETE COMMAND DELETES DATA INSIDE THE TABLE BUT NOT THE TABLE ITSELF\*/

mysql>

**mysql> drop emp2;**

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 'emp2' at line 1

**mysql> drop table emp2;**

Query OK, 0 rows affected (0.07 sec)

**mysql> show tables;**

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

| Tables\_in\_dummydb2 |

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

| employee |

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

1 row in set (0.03 sec)

**mysql> show datbases;**

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 'datbases' at line 1

**mysql> show databases;**

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

| Database |

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

| dummydb |

| dummydb2 |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

8 rows in set (0.04 sec)

**mysql> drop dummydb2;**

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 'dummydb2' at line 1

**mysql> drop database dummydb2;**

Query OK, 1 row affected (0.09 sec)

**mysql> show databases;**

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

| Database |

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

| dummydb |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

7 rows in set (0.00 sec)

**mysql> notee;**