mysql> create database admindb;

Query OK, 1 row affected (0.02 sec)

mysql> use admindb;

Database changed

mysql> show databases;

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

| Database |

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

| admindb |

| information\_schema |

| mysql |

| performance\_schema |

| sys |

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

5 rows in set (0.00 sec)

mysql> show tables;

Empty set (0.01 sec)

mysql> create table emp(eno int, ename varchar(20), sal decimal);

Query OK, 0 rows affected (0.10 sec)

mysql> desc emp

-> ~

->

-> ;

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 2

mysql> desc emp;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| sal | decimal(10,0) | YES | | NULL | |

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

3 rows in set (0.01 sec)

mysql> alter table emp add column dept int;

Query OK, 0 rows affected (0.11 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| sal | decimal(10,0) | YES | | NULL | |

| dept | int | YES | | NULL | |

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

4 rows in set (0.01 sec)

mysql> alter table emp modify column sal float;

Query OK, 0 rows affected (0.20 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp

-> ;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| sal | float | YES | | NULL | |

| dept | int | YES | | NULL | |

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

4 rows in set (0.01 sec)

mysql> alter table emp change column sal salary float;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table emp change column sal salary float;

ERROR 1054 (42S22): Unknown column 'sal' in 'emp'

mysql> desc emp;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| salary | float | YES | | NULL | |

| dept | int | YES | | NULL | |

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

4 rows in set (0.01 sec)

mysql> alter table emp rename to employee;

Query OK, 0 rows affected (0.06 sec)

mysql> show tables;

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

| Tables\_in\_admindb |

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

| employee |

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

1 row in set (0.01 sec)

mysql> alter table employee drop column dept;

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| salary | float | YES | | NULL | |

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

3 rows in set (0.01 sec)

mysql> alter table employee add column dept float;

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| salary | float | YES | | NULL | |

| dept | float | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> alter table employee drop column dept;

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;

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

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

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

| eno | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| salary | float | YES | | NULL | |

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

3 rows in set (0.01 sec)

mysql> insert into employee values(100,'rahul',165156.0);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employee;

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

| eno | ename | salary |

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

| 100 | rahul | 165156 |

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

1 row in set (0.00 sec)

mysql> insert into employee values(200,'rahul',165156.0),(300,'yash',561565);

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from employee;

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

| eno | ename | salary |

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

| 100 | rahul | 165156 |

| 200 | rahul | 165156 |

| 300 | yash | 561565 |

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

3 rows in set (0.00 sec)