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Microsoft Windows [Version 10.0.19045.4780]

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C:\Users\Admin>color 0a


C:\Users\Admin>mysql -u root -p

Enter password: ****

Welcome to the MySQL monitor.  Commands end with ; or \g.

Your MySQL connection id is 40

Server version: 8.0.39 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           |
+--------------------+
| abhi               |
| info               |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
```

```
+--------------------+
6 rows in set (0.00 sec)


mysql> use info;

Database changed

mysql> create table info(roll_no int, name varchar(30), class varchar(20), marks float, dob
    -> date);

Query OK, 0 rows affected (0.07 sec)


mysql> insert into info values('1','abhishek','be','98.0','1996-07-12');

Query OK, 1 row affected (0.01 sec)


mysql> insert into info values('2','tej','te','98.1','1997-07-12');

Query OK, 1 row affected (0.01 sec)


mysql> insert into info values('2','keshav','te','98.2','1998-05-11');

Query OK, 1 row affected (0.01 sec)


mysql> select *from info;

+---------+----------+-------+-------+------------+
| roll_no | name     | class | marks | dob        |
+---------+----------+-------+-------+------------+
|       1 | abhishek | be    |    98 | 1996-07-12 |
|       2 | tej      | te    |  98.1 | 1997-07-12 |
|       2 | keshav   | te    |  98.2 | 1998-05-11 |
+---------+----------+-------+-------+------------+
3 rows in set (0.00 sec)


mysql> select roll_no,marks from info;
```

```
+---------+-------+
| roll_no | marks |
+---------+-------+
|       1 |    98 |
|       2 |  98.1 |
|       2 |  98.2 |
+---------+-------+
3 rows in set (0.00 sec)


mysql> delete from info where name='tej';
Query OK, 1 row affected (0.01 sec)


mysql> select *from info;
+---------+----------+-------+-------+------------+
| roll_no | name     | class | marks | dob        |
+---------+----------+-------+-------+------------+
|       1 | abhishek | be    |    98 | 1996-07-12 |
|       2 | keshav   | te    |  98.2 | 1998-05-11 |
+---------+----------+-------+-------+------------+
2 rows in set (0.00 sec)


mysql> create database new1;
Query OK, 1 row affected (0.01 sec)


mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| abhi               |
```

```
| info                 |
| information_schema |
| mysql                |
| new1                 |
| performance_schema |
| sys                  |
+--------------------+
7 rows in set (0.00 sec)


mysql>  drop database new1;
Query OK, 0 rows affected (0.01 sec)


mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| abhi               |
| info               |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
6 rows in set (0.00 sec)


mysql> use info;
Database changed
mysql>  select*from info;
+---------+----------+-------+-------+------------+
```

```
| roll_no | name     | class | marks | dob        |
+---------+----------+-------+-------+------------+
|       1 | abhishek | be    |    98 | 1996-07-12 |
|       2 | keshav   | te    |  98.2 | 1998-05-11 |
+---------+----------+-------+-------+------------+
2 rows in set (0.00 sec)

mysql>  update info set class='secomp' where roll_no='1';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0


mysql> select *from info;
+---------+----------+--------+-------+------------+
| roll_no | name     | class  | marks | dob        |
+---------+----------+--------+-------+------------+
|       1 | abhishek | secomp |    98 | 1996-07-12 |
|       2 | keshav   | te     |  98.2 | 1998-05-11 |
+---------+----------+--------+-------+------------+
2 rows in set (0.00 sec)


mysql>  alter table info add sirname varchar(20);
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0


mysql>  select*from info;
+---------+----------+--------+-------+------------+---------+
| roll_no | name     | class  | marks | dob        | sirname |
+---------+----------+--------+-------+------------+---------+
|       1 | abhishek | secomp |    98 | 1996-07-12 | NULL    |
|       2 | keshav   | te     |  98.2 | 1998-05-11 | NULL    |
```

```
+---------+----------+-------+------+------------+---------+
```
2 rows in set (0.00 sec)

mysql> alter table info modify roll_no float;

Query OK, 2 rows affected (0.13 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select*from info;

```
+---------+----------+-------+------+------------+---------+
| roll_no | name     | class | marks | dob        | sirname |
+---------+----------+-------+------+------------+---------+
|       1 | abhishek | secomp |   98 | 1996-07-12 | NULL    |
|       2 | keshav   | te     | 98.2 | 1998-05-11 | NULL    |
+---------+----------+-------+------+------------+---------+
```
2 rows in set (0.00 sec)

mysql> desc info;

```
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| roll_no | float       | YES  |     | NULL    |       |
| name    | varchar(30) | YES  |     | NULL    |       |
| class   | varchar(20) | YES  |     | NULL    |       |
| marks   | float       | YES  |     | NULL    |       |
| dob     | date        | YES  |     | NULL    |       |
| sirname | varchar(20) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
```
6 rows in set (0.02 sec)

mysql> alter table info drop sirname;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select*from info;

```
+---------+----------+--------+-------+------------+
| roll_no | name     | class  | marks | dob        |
+---------+----------+--------+-------+------------+
|       1 | abhishek | secomp |    98 | 1996-07-12 |
|       2 | keshav   | te     |  98.2 | 1998-05-11 |
+---------+----------+--------+-------+------------+
```

2 rows in set (0.00 sec)

mysql> alter table info add sirname varchar(20);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select*from info;

```
+---------+----------+--------+-------+------------+---------+
| roll_no | name     | class  | marks | dob        | sirname |
+---------+----------+--------+-------+------------+---------+
|       1 | abhishek | secomp |    98 | 1996-07-12 | NULL    |
|       2 | keshav   | te     |  98.2 | 1998-05-11 | NULL    |
+---------+----------+--------+-------+------------+---------+
```

2 rows in set (0.00 sec)

mysql> alter table info change name fullname varchar(20);

Query OK, 2 rows affected (0.19 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> select*from info;

+---------+----------+--------+-------+------------+---------+
| roll_no | fullname | class  | marks | dob        | sirname |
+---------+----------+--------+-------+------------+---------+
|       1 | abhishek | secomp |    98 | 1996-07-12 | NULL    |
|       2 | keshav   | te     |  98.2 | 1998-05-11 | NULL    |
+---------+----------+--------+-------+------------+---------+
2 rows in set (0.00 sec)


mysql> insert into info values('101', 'sai', 'se','80','2017-1-12','xyz');
Query OK, 1 row affected (0.01 sec)


mysql> insert into info values('102', 'amit','se','90','2018-1-12','uvw');
Query OK, 1 row affected (0.01 sec)


mysql> select*from info;

+---------+----------+--------+-------+------------+---------+
| roll_no | fullname | class  | marks | dob        | sirname |
+---------+----------+--------+-------+------------+---------+
|       1 | abhishek | secomp |    98 | 1996-07-12 | NULL    |
|       2 | keshav   | te     |  98.2 | 1998-05-11 | NULL    |
|     101 | sai      | se     |    80 | 2017-01-12 | xyz     |
|     102 | amit     | se     |    90 | 2018-01-12 | uvw     |
+---------+----------+--------+-------+------------+---------+
4 rows in set (0.00 sec)


mysql> create view te as select roll_no, fullname,class from info;
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> select*from te;

+---------+----------+-------+
 | roll_no | fullname | class |
+---------+----------+-------+ |
| 1 | abhishek | secomp
| 2 | keshav | te |
| 101 | sai | se |
| 102 | amit | se |
+---------+----------+-------+
4 rows in set (0.00 sec)
```