C:\Program Files\MySQL\MySQL Server 9.3\bin>mysql -h localhost -u root -p

Enter password: \*\*\*\*

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

Your MySQL connection id is 9

Server version: 9.3.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create table student\_1(Rollno int PRIMARY KEY, name varchar(40), course varchar(40), fees int);

Query OK, 0 rows affected (0.299 sec)

mysql> desc student\_1

-> ;

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

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

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

| Rollno | int | NO | PRI | NULL | |

| name | varchar(40) | YES | | NULL | |

| course | varchar(40) | YES | | NULL | |

| fees | int | YES | | NULL | |

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

4 rows in set (0.015 sec)

mysql> alter table student\_1

-> modify COLUMN name varchar(40) NOT NULL;

Query OK, 0 rows affected (0.354 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student\_1

-> modify COLUMN course varchar(40) NOT NULL;

Query OK, 0 rows affected (0.371 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student\_1

-> modify COLUMN fees int NOT NULL;

Query OK, 0 rows affected (0.526 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_1;

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

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

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

| Rollno | int | NO | PRI | NULL | |

| name | varchar(40) | NO | | NULL | |

| course | varchar(40) | NO | | NULL | |

| fees | int | NO | | NULL | |

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

4 rows in set (0.012 sec)

mysql> alter table student\_1

-> add COLUMN class varchar(10);

Query OK, 0 rows affected (0.395 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student\_1

-> modify COLUMN class varchar(10) NOT NULL;

Query OK, 0 rows affected (0.344 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_1;

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

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

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

| Rollno | int | NO | PRI | NULL | |

| name | varchar(40) | NO | | NULL | |

| course | varchar(40) | NO | | NULL | |

| fees | int | NO | | NULL | |

| class | varchar(10) | NO | | NULL | |

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

5 rows in set (0.013 sec)

mysql> INSERT into student\_1(Rollno, name, course, class, fees) VALUES

-> (101, 'Sunil', 'Comp', 'B.E', 40000);

Query OK, 1 row affected (0.098 sec)

mysql> INSERT into student\_1(Rollno, name, course, class, fees) VALUES

-> (102, 'Mohit', 'AIDS', 'T.E', 50000);

Query OK, 1 row affected (0.093 sec)

mysql> INSERT into student\_1(Rollno, name, course, class, fees) VALUES

-> (103, 'Tushar', 'Comp', 'S.E', 50000);

Query OK, 1 row affected (0.101 sec)

mysql> INSERT into student\_1(Rollno, name, course, class, fees) VALUES

-> (104, 'Mohit', 'IT', 'B.E', 60000);

Query OK, 1 row affected (0.088 sec)

mysql> INSERT into student\_1(Rollno, name, course, class, fees) VALUES

-> (105, 'Rahul', 'IT', 'T.E', 50000);

Query OK, 1 row affected (0.087 sec)

mysql> desc student\_1;

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

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

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

| Rollno | int | NO | PRI | NULL | |

| name | varchar(40) | NO | | NULL | |

| course | varchar(40) | NO | | NULL | |

| fees | int | NO | | NULL | |

| class | varchar(10) | NO | | NULL | |

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

5 rows in set (0.012 sec)

mysql> update student\_1 set fees = fees + 1100;

Query OK, 5 rows affected (0.100 sec)

Rows matched: 5 Changed: 5 Warnings: 0

mysql> update student\_1 set fees = fees + 1100 where class = 'B.E';

Query OK, 2 rows affected (0.099 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> SELECT fees + 1100 from student\_1 where class = 'B.E';

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

| fees + 1100 |

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

| 43300 |

| 63300 |

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

2 rows in set (0.004 sec)

mysql> SELECT \* from student\_1 where name = 'Mohit';

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

| Rollno | name | course | fees | class |

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

| 102 | Mohit | AIDS | 51100 | T.E |

| 104 | Mohit | IT | 62200 | B.E |

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

2 rows in set (0.004 sec)

mysql> SELECT \* from student\_1 where course NOT in ('IT');

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

| Rollno | name | course | fees | class |

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

| 101 | Sunil | Comp | 42200 | B.E |

| 102 | Mohit | AIDS | 51100 | T.E |

| 103 | Tushar | Comp | 51100 | S.E |

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

3 rows in set (0.004 sec)

mysql> SELECT \* from student\_1 order by name;

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

| Rollno | name | course | fees | class |

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

| 102 | Mohit | AIDS | 51100 | T.E |

| 104 | Mohit | IT | 62200 | B.E |

| 105 | Rahul | IT | 51100 | T.E |

| 101 | Sunil | Comp | 42200 | B.E |

| 103 | Tushar | Comp | 51100 | S.E |

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

5 rows in set (0.059 sec)

mysql> create index xyz on student\_1(Rollno);

Query OK, 0 rows affected (0.351 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> create unique index xyz on student\_1(name);

ERROR 1061 (42000): Duplicate key name 'xyz'

mysql> create unique index abc on student\_1(name);

ERROR 1062 (23000): Duplicate entry 'Mohit' for key 'student\_1.abc'

mysql> create index pqr on student\_1(name, course);

Query OK, 0 rows affected (0.273 sec)

Records: 0 Duplicates: 0 Warnings: 0

r version for the right syntax to use near '' at line 1

mysql> alter table student\_1 drop index xyz;

Query OK, 0 rows affected (0.155 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> UPDATE student\_1 set name = 'Ajay' where Rollno = 104;

Query OK, 1 row affected (0.087 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from student\_1;

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

| Rollno | name | course | fees | class |

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

| 101 | Sunil | Comp | 42200 | B.E |

| 102 | Mohit | AIDS | 51100 | T.E |

| 103 | Tushar | Comp | 51100 | S.E |

| 104 | Ajay | IT | 62200 | B.E |

| 105 | Rahul | IT | 51100 | T.E |

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

5 rows in set (0.004 sec)

mysql> create unique index abc on student\_1(name);

Query OK, 0 rows affected (0.341 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> show index from student\_1;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment | Visible | Expression |

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

| student\_1 | 0 | PRIMARY | 1 | Rollno | A | 5 | NULL | NULL | | BTREE | | | YES | NULL |

| student\_1 | 0 | abc | 1 | name | A | 5 | NULL | NULL | | BTREE | | | YES | NULL |

| student\_1 | 1 | pqr | 1 | name | A | 4 | NULL | NULL | | BTREE | | | YES | NULL |

| student\_1 | 1 | pqr | 2 | course | A | 5 | NULL | NULL | | BTREE | | | YES | NULL |

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

4 rows in set (0.131 sec)