mysql> system cls;

mysql> show databases;

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

| Database |

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

| class10 |

| dummy |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sale |

| sys |

| world |

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

9 rows in set (0.12 sec)

mysql> create database class17;

Query OK, 1 row affected (0.03 sec)

mysql> use class17;

Database changed

mysql> create table stu(sid int, name varchar(15));

Query OK, 0 rows affected (0.13 sec)

mysql> create table stu1(sid int primary key unique not null, name varchar(15));

Query OK, 0 rows affected (0.09 sec)

mysql> create table stu2(sid int primary key, name varchar(15));

Query OK, 0 rows affected (0.07 sec)

mysql> desc stu;

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

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

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

| sid | int | YES | | NULL | |

| name | varchar(15) | YES | | NULL | |

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

2 rows in set (0.02 sec)

mysql> desc stu1;

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

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

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

| sid | int | NO | PRI | NULL | |

| name | varchar(15) | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> alter table std add primary key(sid);

ERROR 1146 (42S02): Table 'class17.std' doesn't exist

mysql> alter table stu add primary key(sid);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc stu;

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

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

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

| sid | int | NO | PRI | NULL | |

| name | varchar(15) | YES | | NULL | |

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

2 rows in set (0.01 sec)

mysql> alter table stu2 drop primary key;

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc stu2;

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

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

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

| sid | int | NO | | NULL | |

| name | varchar(15) | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> create table fees(sid int, amt int, foreign key(sid) references stu(sid));

Query OK, 0 rows affected (0.08 sec)

mysql> create table fees1(id int, amt int, foreign key(id) references stu(sid));

Query OK, 0 rows affected (0.08 sec)

mysql> create table fees2(id varchar(10), amt int, foreign key(id) references stu(sid));

ERROR 3780 (HY000): Referencing column 'id' and referenced column 'sid' in foreign key constraint 'fees2\_ibfk\_1' are incompatible.

mysql> alter table fee1 drop foreign key (id);

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 '(id)' at line 1

mysql> alter table fee1 drop foreign key id;

ERROR 1146 (42S02): Table 'class17.fee1' doesn't exist

mysql> show create table fee1;

ERROR 1146 (42S02): Table 'class17.fee1' doesn't exist

mysql> show create table fees1;

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

| Table | Create Table |

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

| fees1 | CREATE TABLE `fees1` (

`id` int DEFAULT NULL,

`amt` int DEFAULT NULL,

KEY `id` (`id`),

CONSTRAINT `fees1\_ibfk\_1` FOREIGN KEY (`id`) REFERENCES `stu` (`sid`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci |

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

1 row in set (0.01 sec)

mysql> alter table fees1 drop foreign key fees1\_idfk\_1;

ERROR 1091 (42000): Can't DROP 'fees1\_idfk\_1'; check that column/key exists

mysql> alter table fees1 drop foreign key fees1\_ibfk\_1;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> show create table fee1;

ERROR 1146 (42S02): Table 'class17.fee1' doesn't exist

mysql> show create table fees1;

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

| Table | Create Table |

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

| fees1 | CREATE TABLE `fees1` (

`id` int DEFAULT NULL,

`amt` int DEFAULT NULL,

KEY `id` (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci |

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

1 row in set (0.00 sec)

mysql> alter table fees1 drop index id;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc fees1;

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

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

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

| id | int | YES | | NULL | |

| amt | int | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> drop table fee1;

ERROR 1051 (42S02): Unknown table 'class17.fee1'

mysql> drop table fees1;

Query OK, 0 rows affected (0.02 sec)

mysql> create table fees1(id int, amt int, constraint fkid foreign key(id) references stu(sid));

Query OK, 0 rows affected (0.07 sec)

mysql> desc fees1;

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

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

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

| id | int | YES | MUL | NULL | |

| amt | int | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> show create table fees1;

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

| Table | Create Table |

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

| fees1 | CREATE TABLE `fees1` (

`id` int DEFAULT NULL,

`amt` int DEFAULT NULL,

KEY `fkid` (`id`),

CONSTRAINT `fkid` FOREIGN KEY (`id`) REFERENCES `stu` (`sid`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci |

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

1 row in set (0.00 sec)

mysql> alter table fees1 drop foreign key fees1\_ibfk\_1;

ERROR 1091 (42000): Can't DROP 'fees1\_ibfk\_1'; check that column/key exists

mysql> alter table fees1 drop foreign key fkid;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> show create table fees1;

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

| Table | Create Table |

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

| fees1 | CREATE TABLE `fees1` (

`id` int DEFAULT NULL,

`amt` int DEFAULT NULL,

KEY `fkid` (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci |

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

1 row in set (0.00 sec)

mysql> alter table fees1 drop index fkid;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc fees1;

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

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

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

| id | int | YES | | NULL | |

| amt | int | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> drop table fees;

Query OK, 0 rows affected (0.03 sec)

mysql> create table fees1(id int, amt int, constraint fkid foreign key(id) references stu(sid));

ERROR 1050 (42S01): Table 'fees1' already exists

mysql> drop table fees1;

Query OK, 0 rows affected (0.01 sec)

mysql> create table fees1(id int, amt int, constraint fkid foreign key(id) references stu(sid));

Query OK, 0 rows affected (0.04 sec)

mysql> alter table fees1 drop foreign key fkid, drop index fkid;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc fees1;

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

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

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

| id | int | YES | | NULL | |

| amt | int | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> drop table fees1;

Query OK, 0 rows affected (0.01 sec)

mysql> create table fees1(id int, amt int, constraint fkid foreign key(id) references stu(sid));

Query OK, 0 rows affected (0.04 sec)

mysql> alter table fees1 drop foreign key fkid, drop key fkid;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc fees1;

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

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

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

| id | int | YES | | NULL | |

| amt | int | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> notee;