Primary key foreign key unique

```
    -> Gende' at line 2
mysql> create table student1(stu_id int(10) primary key,
    -> stu_Fname varchar (25) not null,stu_Lname varchar (25) not null,
    -> Gender varchar (1) not null, Phone int (10) not null,
    -> stu_DOB date );
Query OK, 0 rows affected, 2 warnings (0.02 sec)

mysql> create table course1 (c_title varchar (30) not null,c_code varchar(10) not null,
    -> Lec_Name varchar (25) not null,stu_id int (10) not null,
    -> CONSTRAINT fk_stuID FOREIGN KEY(stu_id) REFERENCES student(stu_id) on update cascade);
ERROR 1826 (HY000): Duplicate foreign key constraint name 'fk_stuID'
mysql> create table course1 (c_title varchar (30) not null,c_code varchar(10) not null,
    -> Lec_Name varchar (25) not null,stu_id int (10) not null,
    -> CONSTRAINT fk1_stuID FOREIGN KEY(stu_id) REFERENCES student(stu_id) on update cascade);
Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> describe student1;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| stu_id   | int         | NO   | PRI | NULL    |       |
| stu_Fname| varchar(25) | NO   |     | NULL    |       |
| stu_Lname| varchar(25) | NO   |     | NULL    |       |
| Gender   | varchar(1)  | NO   |     | NULL    |       |
| Phone    | int         | NO   |     | NULL    |       |
| stu_DOB  | date        | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql> desc course1;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| c_title  | varchar(30) | NO   |     | NULL    |       |
| c_code   | varchar(10) | NO   |     | NULL    |       |
| Lec_Name | varchar(25) | NO   |     | NULL    |       |
| stu_id   | int         | NO   | MUL | NULL    |       |
+----------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE u_tab(stu_id int (10) UNIQUE KEY,
    -> name varchar (30),
    -> rollno int (5) UNIQUE KEY,
    -> CITY VARCHAR (40));
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> DESC u_tab;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| stu_id | int         | YES  | UNI | NULL    |       |
| name   | varchar(30) | YES  |     | NULL    |       |
| rollno | int         | YES  | UNI | NULL    |       |
| CITY   | varchar(40) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> INSERT INTO u_tab (stu_id, name, roll, city)
    -> values(1,"ram",101,"delhi");
ERROR 1054 (42S22): Unknown column 'roll' in 'field list'
mysql> INSERT INTO u_tab (stu_id, name, roll, city)values(1,"ram",101,"delhi");
ERROR 1054 (42S22): Unknown column 'roll' in 'field list'
mysql> INSERT INTO u_tab (stu_id, name, roll, city)
    -> ;
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> INSERT INTO u_tab (stu_id, name, rolln0, city)
    -> values(1,"ram",101,"delhi");
ERROR 1054 (42S22): Unknown column 'rolln0' in 'field list'
mysql> INSERT INTO u_tab (stu_id, name, rollno, city)
    -> values(1,"ram",101,"delhi");
Query OK, 1 row affected (0.00 sec)

mysql> SELECT *FROM u_tab;
+--------+------+--------+-------+
| stu_id | name | rollno | CITY  |
+--------+------+--------+-------+
|      1 | ram  |    101 | delhi |
+--------+------+--------+-------+
1 row in set (0.00 sec)
```

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MySQL 8.0 Command Line Client                                                                                                  _  □  ×

ERROR 1054 (42S22): Unknown column 'roll' in 'field list'
mysql> INSERT INTO u_tab (stu_id, name, roll, city)
    -> ;
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> INSERT INTO u_tab (stu_id, name, rolln0, city)
    -> values(1,"ram",101,"delhi");
ERROR 1054 (42S22): Unknown column 'rolln0' in 'field list'
mysql> INSERT INTO u_tab (stu_id, name, rollno, city)
    -> values(1,"ram",101,"delhi");
Query OK, 1 row affected (0.00 sec)

mysql> SELECT *FROM u_tab;
+--------+------+--------+-------+
| stu_id | name | rollno | CITY  |
+--------+------+--------+-------+
|      1 | ram  |    101 | delhi |
+--------+------+--------+-------+
1 row in set (0.00 sec)

mysql> INSERT INTO u_tab (name, rollno, city)
    -> values ("sam", 102, "delhi");
Query OK, 1 row affected (0.00 sec)

mysql> select * from u_tab;
+--------+------+--------+-------+
| stu_id | name | rollno | CITY  |
+--------+------+--------+-------+
|      1 | ram  |    101 | delhi |
|   NULL | sam  |    102 | delhi |
+--------+------+--------+-------+
2 rows in set (0.00 sec)

mysql>
```