

### Assignment – 8 (Table with foreign key)

1. Create the following tables:

- teacher(t\_id,t\_name,t\_address)

```
MariaDB [dbms_practice]> create table teacher(  
  -> tid int primary key,  
  -> tname varchar(30),  
  -> taddress varchar(30)  
  -> );  
Query OK, 0 rows affected (0.040 sec)
```

- student(sid,sname,saddress,smarks,t\_id)

```
MariaDB [dbms_practice]> create table student1(  
  -> sid int primary key,  
  -> sname varchar(30),  
  -> saddress varchar(30),  
  -> smarks decimal(8,2),  
  -> tid int,  
  -> FOREIGN KEY(tid) REFERENCES teacher(tid)  
  -> );  
Query OK, 0 rows affected (0.028 sec)
```

2. Insert 5 tuples in teacher table and 10 tuples in student table.

```
MariaDB [dbms_practice]> INSERT INTO teacher (tid, tname, taddress) VALUES  
  -> (1, 'Alice Johnson', '123 Oak Street'),  
  -> (2, 'Bob Smith', '456 Maple Avenue'),  
  -> (3, 'Carol Davis', '789 Pine Road'),  
  -> (4, 'David Brown', '101 Elm Street'),  
  -> (5, 'Eva Wilson', '202 Birch Lane');  
Query OK, 5 rows affected (0.014 sec)  
Records: 5 Duplicates: 0 Warnings: 0
```

```
MariaDB [dbms_practice]> INSERT INTO student1 (sid, sname, saddress, smarks, tid) VALUES
-> (1, 'John Doe', '123 Elm Street', 85.50, 2),
-> (2, 'Jane Roe', '456 Oak Avenue', 92.75, 5),
-> (3, 'Alice Smith', '789 Pine Road', 78.40, 1),
-> (4, 'Bob Johnson', '101 Maple Drive', 88.60, 4),
-> (5, 'Carol White', '202 Birch Lane', 91.20, 3),
-> (6, 'David Clark', '303 Cedar Street', 76.50, 2),
-> (7, 'Eva Lewis', '404 Walnut Blvd', 89.00, 4),
-> (8, 'Frank Martin', '505 Cherry Hill', 82.30, 1),
-> (9, 'Grace Anderson', '606 Ash Court', 95.10, 5),
-> (10, 'Hank Walker', '707 Pine Circle', 84.70, 3);
Query OK, 10 rows affected (0.002 sec)
Records: 10  Duplicates: 0  Warnings: 0
```