| 3 | DDL Commands with Constraints – PRIMARY, FOREIGN KEY, UNIQUE, CHECK Create a Table Employee with fields S_No, name, Designation Branch with primary key as S_No. Create a table Workers with the same fields and make the field S_No as foreign key. |

```
mysql> use dbms;
Database changed
mysql> create table employee(
    -> sno int,
    -> name varchar(255),
    -> designation varchar(255),
    -> primary key(sno)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> insert into employee value(1,'ram','chennai');
Query OK, 1 row affected (0.01 sec)

mysql> insert into employee value(2,'som','tirupati');
Query OK, 1 row affected (0.01 sec)

mysql> desc employee;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| sno         | int          | NO   | PRI | NULL    |       |
| name        | varchar(255) | YES  |     | NULL    |       |
| designation | varchar(255) | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> create table worker(
    -> sno int,
    -> name varchar(255),
    -> branch varchar(255),
    -> foreign key(sno)
    -> );
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 6
mysql> create table worker(
    -> sno int,
    -> name varchar(255),
    -> branch varchar(255),
    -> foreign key(sno) references employee(sno)
    -> );
Query OK, 0 rows affected (0.05 sec)

mysql> desc worker;
+--------+--------------+------+-----+---------+-------+
| Field  | Type         | Null | Key | Default | Extra |
+--------+--------------+------+-----+---------+-------+
| sno    | int          | YES  | MUL | NULL    |       |
| name   | varchar(255) | YES  |     | NULL    |       |
| branch | varchar(255) | YES  |     | NULL    |       |
+--------+--------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```