1. create table electricity\_connection\_type(id int(11) primary key,connection\_name varchar(20) not null);
2. create table slab(id int(11) primary key,connection\_type\_id int(11) not null,from\_unit int(11) not null,to\_unit int(11) not null,rate double not null,constraint connection\_type\_id\_fk foreign key(connection\_type\_id) references electricity\_connection\_type(id));
3. create table building\_type(id int(11) primary key,name varchar(100) not null,connection\_type\_id int(11) not null,constraint connection\_type\_id foreign key(connection\_type\_id) references electricity\_connection\_type(id));
4. create table building(id int(11) primary key,owner\_name varchar(100) not null,address varchar(100) not null,building\_type\_id int(11) not null,contact\_number varchar(100) not null,email\_address varchar(100),constraint building\_type\_id foreign key(building\_type\_id) references electricity\_connection\_type(id));
5. alter table building change owner\_name building\_owner\_name varchar(100);
6. alter table building modify column address varchar(255);
7. alter table electricity\_connection\_type add constraint check\_connection\_name check(connection\_name in('commercial','home'));
8. alter table building rename to building\_details;
9. drop table slab;
10. drop table building\_details;
11. insert into electricity\_connection\_type values(1,'jyothi');

ERROR 3819 (HY000): Check constraint 'check\_connection\_name' is violated.

mysql> insert into electricity\_connection\_type values(1,'commercial');

Query OK, 1 row affected (0.01 sec)

mysql> insert into electricity\_connection\_type values(2,'home');

1. mysql> insert into slab values(11,1,0,50,250);

Query OK, 1 row affected (0.01 sec)

mysql> insert into slab values(12,1,50,100,500);

Query OK, 1 row affected (0.01 sec)

mysql> insert into slab values(13,2,100,150,750);

13. mysql> insert into building\_type values(1,'shopping mall',1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into building\_type values(2,'complex',1);

Query OK, 1 row affected (0.04 sec)

mysql> insert into building\_type values(3,'college',2);

Query OK, 1 row affected (0.01 sec)

mysql> insert into building\_type values(4,'school',2);

Query OK, 1 row affected (0.01 sec)

mysql> insert into building\_type values(5,'home',2);

Query OK, 1 row affected (0.01 sec)

14. update slab set from\_unit=1 where from\_unit=0;

15. update building\_type set name='mall' where name='shopping mall';

16. delete from slab;

17. delete from building\_type where name='home';