create database mydb;

use mydb;

create table electricity\_connection\_type(id int(11) primary key,connection\_name varchar(20) not null);

create table slab(id int(11) primary key,connection\_type\_id int(11) not null,from\_unit int(11),to\_unit int(11),rate double,constraint connection\_type\_fk foreign key(connection\_type\_id)references electricity\_connection\_type(id));

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\_fk foreign key(connection\_type\_id)references electricity\_connection\_type(id));

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) default null, constraint building\_type\_id\_fk foreign key( building\_type\_id)references building\_type(id));

alter table building change owner\_name building\_owner\_name varchar(100);

alter table building modify address varchar(255);

alter table electricity\_connection\_type add constraint check\_connection\_name unique key (connection\_name);

alter table building rename to building\_details;

drop table slab;

drop table building\_details;

insert into electricity\_connection\_type values (1,"home"),(2,"office");

insert into slab(id,connection\_type\_id,from\_unit,to\_unit,rate) values (1,100,0,1,5.5),(1,101,0,1,5.1),(1,102,0,1,8.5);

insert into building\_type values (1,"sat",100),(2,"sathya",101),(3,"Gowtham,102"),(4,"Karthi",103),(5,"shankar",104);

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

update building\_type set name="mall" where name= "Shopping mall";

truncate table slab;

delete from electricity\_connection\_type where connection\_name="Home";