create database electricitybill;

use electricitybill;

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

desc electricity\_connection\_type;

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

desc slap;

create table building\_type(id int primary key, name varchar(100),connection\_type1\_id int(20) not null, constraint connection\_type1\_id\_FK foreign key(connection\_type1\_id) references electricity\_connection\_type(id));

desc building\_type;

show tables;

create table building(id int primary key, owner\_name varchar(100) not null, address varchar(100) not null, building\_type\_id int not null,email\_address varchar(100) not null, constraint building\_type\_id\_FK foreign key(building\_type\_id) references building\_type(id));

desc building;

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

desc building;

alter table building modify address varchar(200);

desc building;

alter table electricity\_connection\_type add constraint check\_connection\_type check(connection\_name in('home','commercial'));

desc electricity\_connection\_type;

alter table building rename to building\_details;

drop table slap;

drop table building\_details;

insert into electricity\_connection\_type values(1,'sri');

insert into electricity\_connection\_type values(2,’shyamala');

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

insert into slap (id,connection\_type\_id, from\_unit,to\_unit,rate) values(1,1,1,12,7.0);

insert into slap (id,connection\_type\_id, from\_unit,to\_unit,rate) values(2,2,2,112,9.0);

insert into electricity\_connection\_type (id,connection\_name) values(3,'pdy'),(4,’chennai’),(5,’oty’);

insert into building\_type(id,name,connection\_type1\_id) values (1,'home',1),(2,'apartment',2),(3,'land',3),(4,'goodown',4),(5,'school',5);

update slap set from\_unit=1 where connection\_type\_id in (1,2);

insert into building\_type(id,name,connection\_type1\_id) values (6,'shopping mall',1);

update building\_type set name1 = 'mall' where name1 = 'shopping mall';

select \* from building\_type;

drop table slap;