* SET SQL\_SAFE\_UPDATES = 0;
* create database electric\_bill;
* use electric\_bill;
* create table electricity\_connection\_type(id int,connection\_name varchar(20),constraint id\_pk primary key(id));
* show tables;
* desc electricity\_connection\_type;
* create table slab(id int,connection\_type\_id int not null,from\_unit int ,to\_unit int,rate double,constraint id\_pk primary key(id),constraint id\_fk foreign key(id) references electricity\_connection\_type(id) );
* desc slab;
* create table building\_type(id int,name varchar(100),connection\_type\_id varchar(20) not null,constraint id\_pk primary key(id),constraint id\_fk\_building foreign key(id) references electricity\_connection\_type(id));
* alter table building\_type modify column connection\_type\_id int;
* desc building\_type;
* create table building(id int,owner\_name varchar(20),address varchar(100),building\_type\_id int ,contact\_number varchar(10),email\_id varchar(20),constraint id\_pk\_building primary key(id),constraint id\_building\_fk foreign key(id) references building\_type(id));
* desc building;
* alter table building rename column owner\_name to building\_owner\_name;
* alter table building modify column address varchar(255);
* alter table electricity\_connection\_type add constraint check\_connection\_type check( connection\_name in('home','commercial'));
* alter table building rename to building\_details;
* desc building\_details;
* drop table slab;
* drop table building\_details;
* insert into electricity\_connection\_type(id,connection\_name) values (1,'home'),(2,'commercial');
* create table slab(id int,connection\_type\_id varchar(20) not null,from\_unit int ,to\_unit int,rate double,constraint id\_pk primary key(id),constraint id\_fk foreign key(id) references electricity\_connection\_type(id) );
* insert into slab(id,connection\_type\_id,from\_unit,to\_unit,rate) values (1,1,10,30,10.0),(2,2,1,30,15.0);
* insert into electricity\_connection\_type(id,connection\_name) values (4,'home'),(5,'commercial');
* insert into slab(id,connection\_type\_id,from\_unit,to\_unit,rate) values (3,3,40,100,10.0);
* insert into building\_type(id,name,connection\_type\_id) values (1,'appartment',1),(2,'shopping mall',2),(3,'individual home',3),(4,'appartment',4),(5,'theater',5);
* update slab set from\_unit =1;
* update building\_type set name = 'mall' where name = 'shopping mall';
* update building\_type set connection\_type\_id = 2 where id=5;
* select \* from slab;
* select \* from building\_type;
* delete from building\_type where connection\_type\_id =1;