Handson 3

1. create database electricity
2. use electricity;
3. create table electricity\_connection\_type( id int primary key, connection\_name varchar(20) not null);
4. desc electricity\_connection\_type;
5. create table slab (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));
6. desc slab;
7. create table building\_type(id1 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));
8. show tables;
9. create table building\_type(id1 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));
10. desc building\_type;
11. 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(id1));
12. insert into electricity\_connection\_type values(1,'sri'),(2,'shyamala');
13. select \* from electricity\_connection\_type;
14. insert into slab (id,connection\_type\_id, from\_unit,to\_unit,rate) values(1,1,1,12,7.0),(2,2,2,18,10.0);
15. select \* from slab;
16. insert into building\_type(id1,name,connection\_type1\_id) values (1,'home',1),(2,'apartment',2);
17. select \* from building\_type;
18. insert into building(id,owner\_name,address,building\_type\_id, email\_address) values(1,'ss','pdy',1,'ss.com'),(2,'vss','pdy1',2,'vss.com');
19. select \* from building;
20. select LENGTH(owner\_name) as name\_length from building order by owner\_name;
21. select min(LENGTH(owner\_name)),contact\_number from building order by owner\_name;
22. select min(LENGTH(owner\_name)),contact\_number from building order by owner\_name;
23. select owner\_name, contact\_number,email\_address, CONCAT(owner\_name,'-',contact\_number'- ',email\_address) as contact\_details from building order by owner\_name ;
24. select left(owner\_name,3) as name\_code from building order by owner\_name ;
25. select left(contact\_number,3) as contact\_code from building order by owner\_name ;
26. select COUNT(is\_payed) as bill\_payed\_without\_fine from bills where fine\_amount=0 and month(payment\_date)=10;
27. select SUM(fine\_amount) from bills where payment\_date between 2017/10/01 and 2017/11/01;
28. Select\*from bills b meter r where r.id=m.id order by payable\_amount ;
29. Select meter\_ number,owner\_name, address , contact\_ number from building where number in(select \*from meter) order by meter\_number ;