SQL hands-on

create database Assessment;

use assessment;

1. create table electricity\_connection\_type(id int(11) unique not null,connection\_name varchar(20) not null);

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

3. create table building\_type(id int(11) unique not null, name varchar(100) not null, connection\_type\_id int(11) not null, foreign key(connection\_type\_id) references electricity\_connection\_type(id));

4. create table building(id int(11) unique not null, 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), foreign key(building\_type\_id) references building\_type(id));

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

6. alter table building modify column building\_owner\_name varchar(255);

7. alter table electricity\_connection\_type add constraint check\_connection\_name check(connection\_name="commercial"||connection\_name="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,'home'),(2,'aka');

12. insert into slab values(1,1,0,2,22),(2,2,0,3,44),(3,0,0,2,33);

13. insert into building\_type values(1,'ShoppingMall',1),(2,'Park',2),(3,'Hotel',3),(4,'Stadium',2),(5,'Store');

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

15. update slab set name=’Mall’ where name=’ShoppingMall’;

16. delete from slab where from\_unit=1;

17. delete from building\_type where connection\_type\_id=1;