mysql> create database electricty;

Query OK, 1 row affected (1.47 sec)

mysql> use electricity;

ERROR 1049 (42000): Unknown database 'electricity'

mysql> use electricty;

Database changed

1. Write a query to create a table 'electricity\_connection\_type'.

mysql> create table electricity\_connection\_type(id int primary key,connection\_name varchar(30) not null);

Query OK, 0 rows affected (2.67 sec)

1. Write a query to create a table 'building\_type'.

mysql> create table buliding\_type(id int primary key,name varchar(30) not null,connection\_type\_id int,constraint cti\_fk foreign key(connection\_type\_id) references electricity\_connection\_type(id));

Query OK, 0 rows affected (1.57 sec)

1. Write a query to create a table 'slab'.

mysql> create table slab(id int primary key,from\_unit int,to\_unit int,rate double,connection\_type\_id int,constraint ctid\_fk foreign key(connection\_type\_id) references electricity\_connection\_type(id));

Query OK, 0 rows affected (1.21 sec)

1. Write a query to create a table 'building'

create table buliding(id int primary key,ownername varchar(30) not null,buliding\_type\_id int,address varchar(40) not null,contactnumber varchar(30) not null,email varchar(30) not null,constraint btid\_fk foreign key(buliding\_type\_id) references buliding\_type(id));

Query OK, 0 rows affected (1.47 sec)

1. Write a query to alter the column 'owner\_name' to 'building\_owner\_name' in the table 'building'.

alter table buliding rename column ownername to bulidingownername;

Query OK, 0 rows affected (1.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

1. Write a query to change the datatype of the column address in the table 'building' to varchar(255).

alter table buliding modify column address(255);

Query OK, 0 rows affected (3.75 sec)

Records: 0 Duplicates: 0 Warnings: 0

1. Write a query to create a constraint which allows only 'commercial' or 'home' connection\_name in the 'electricity\_connection\_type' table.Specify constraint name as 'check\_connection\_name'.

create table electricity\_connection\_type(id int primary key,connection\_name varchar(30) not null,constraint coname\_ck check(connection\_name='commercial' or connection\_name='home'));

Query OK, 0 rows affected (1.19 sec)

1. Write a query to rename table 'building' to 'building\_details'.

alter table buliding rename buliding\_details;

Query OK, 0 rows affected (1.12 sec)

1. Write a query to drop table 'slab'.

drop table slab;

Query OK, 0 rows affected (0.72 sec)

1. Write a query to drop table 'building\_details'.

drop table buliding\_details;

Query OK, 0 rows affected (1.73 sec)

1. Write a query to insert any 2 records into the 'electricity\_connection\_type' table.

insert into electricity\_connection\_type values(1,'home'),(2,'commercial');

Query OK, 2 rows affected (0.08 sec)

Records: 2 Duplicates: 0 Warnings: 0

1. Write a query to insert any 3 records into the 'slab' table.

create table slab(id int primary key,from\_unit int,to\_unit int,rate double,connection\_type\_id int,constraint ctid\_fk foreign key(connection\_type\_id) references electricity\_connection\_type(id));

Query OK, 0 rows affected (1.11 sec)

1. Write a query to insert any 5 records into the 'building\_type' table

mysql> insert into slab values(1,2,1,22.3,1);

Query OK, 1 row affected (0.69 sec)

mysql> insert into slab values(2,2,1,22.3,2);

Query OK, 1 row affected (0.15 sec)

mysql> insert into slab values(3,4,0,27.3,2);

Query OK, 1 row affected (0.14 sec)

1. Write a query to change the from\_unit value from 0 to 1 in the 'slab' table.

insert into buliding\_type values(1,'sk',1),(2,'kk',2),(3,'pk',1),(4,'jk',2),(5,'ml',1);

Query OK, 5 rows affected (0.64 sec)

Records: 5 Duplicates: 0 Warnings: 0

1. Write a query to change the name 'Shopping Mall' to 'Mall' in the building\_type table.

update buliding\_type set name='mall' where name='shoppingmall';

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

1. Write a query to delete the entire details of the table 'slab'.

delete from slab;

Query OK, 3 rows affected (0.21 sec)

1. Write a query to delete the rows from the table 'building\_type' where the electricity connection is home .

delete from buliding\_type where connection\_type\_id=1;

Query OK, 3 rows affected (0.15 sec)