**SQL QUERIES**

**1.Creating a Table ‘electricity\_connection\_type’:**

CREATE TABLE electricity\_connection\_type(

id INT(11) ,

connection\_name VARCHAR(20) NOT NULL,

PRIMARY KEY(id));

**2. Creating a Table ‘slab’:**

CREATE TABLE slab(

id INT(11),

connection\_type\_id INT(11)NOT NULL,

from\_unit INT(11) NOT NULL,

to\_unit INT(11) NOT NULL,

rate DOUBLE NOT NULL ,

PRIMARY KEY(id),

FOREIGN KEY(connection\_type\_id ) REFERENCES electricity\_connection\_type(id));

**3. Creating a Table ‘building\_type’:**

CREATE TABLE building\_type(

id INT(11) ,

name VARCHAR(100) NOT NULL,

connection\_type\_id INT(11) NOT NULL,

PRIMARY KEY(id),

FOREIGN KEY (connection\_type\_id )REFERENCES electricity\_connection\_type(id));

**4. Creating a Table ‘building’:**

CREATE TABLE building (

id INT(11),

owner\_name VARCHAR(100) NOT NULL,

address VARCHAR(100) NOT NULL ,

building\_type\_id INT(11),

contact\_number VARCHAR(100) NOT NULL ,

email\_address VARCHAR(100) NULL ,

PRIMARY KEY (id),

FOREIGN KEY (building\_type\_id) REFERENCES building\_type(id)

);

5.ALTER TABLE building  RENAME COLUMN owner\_name TO building\_owner\_name;

6.ALTER TABLE building MODIFY COLUMN address VARCHAR(255);

7. ALTER TABLE electricity\_connection\_type

ADD CONSTRAINT check\_connection\_name CHECK (connection\_name='home' OR connection\_name='commercial');

8. ALTER TABLE building RENAME TO bulding\_details ;

9. DROP TABLE slab;

10. DROP TABLE building\_details;

11. INSERT INTO electricity\_connection\_type VALUES (1, ‘home’);

      INSERT INTO electricity\_connection\_type VALUES (2, 'commercial');

12. INSERT INTO slab VALUES (1, 1, 10, 20, 100.0);

      INSERT INTO slab VALUES (2, 2, 20, 30, 150.0);

      INSERT INTO slab VALUES (3, 1, 50, 60, 200.0);

13. INSERT INTO building\_type VALUES(1, 'duplex', 1);

INSERT INTO building\_type VALUES(2, 'hotel', 2);

INSERT INTO building\_type VALUES(3, 'farmhouse', 1);

INSERT INTO building\_type VALUES(4, 'dormitory', 2);

INSERT INTO building\_type VALUES(5, 'villa', 1);

14. UPDATE slab SET from\_unit = 1 WHERE from\_unit = 0;

15. UPDATE building\_type SET name = 'Mall' WHERE name = 'Shopping Mall';

16. TRUNCATE slab;

17. DELETE FROM building\_type WHERE connection\_type\_id = 1;