CREATE DATABASE students;  
use students;  
CREATE TABLE users (

Id INTEGER,

student\_name varchar(45),

student\_email varchar(40));

INSERT INTO users VALUES (1,'Mohammed', '[Mohammed@gmail.com](mailto:Mohammed@gmail.com)');

INSERT INTO users VALUES (3,'Abhinav');

INSERT INTO users (Id,student\_name, student\_email) VALUES (2,'Akanksha', '[Akanksha@gmail.com](mailto:Akanksha@gmail.com)'), (4,'Arya', '[Arya@gmail.com](mailto:Arya@gmail.com)');

INSERT INTO users VALUES (5,'Dhanya', '[Dhanya@gmail.com](mailto:Dhanya@gmail.com)');

SELECT \* FROM students\_db;

-- add new column  
ALTER TABLE users ADD gender varchar(10);

-- rename table  
ALTER TABLE users RENAME students\_db;

-- modify column  
ALTER TABLE students\_db MODIFY COLUMN student\_email varchar(100);

-- rename column  
ALTER TABLE students\_db RENAME COLUMN gender TO student\_gender;

-- update query  
SET SQL\_SAFE\_UPDATES=0;  
UPDATE students\_db SET student\_email='[Abhinav-chubb@mail.com](mailto:Abhinav-chubb@mail.com)' WHERE student\_name='Abhinav';

-- delete query

DELETE FROM students\_db;

SELECT \* FROM students\_db;

CREATE TABLE codekata(

Student\_id INTEGER,

Problems\_solved INTEGER);

INSERT INTO codekata VALUES (1,30);

INSERT INTO codekata VALUES (2,45);

INSERT INTO codekata VALUES (3,20);

INSERT INTO codekata VALUES (4,50);

INSERT INTO codekata VALUES (5,45);

SELECT \* FROM codekata;

SELECT \* FROM users INNER JOIN codekata ON Id = student\_id;

CREATE TABLE attendance(

Student\_id INTEGER,

classes\_attended INTEGER);

INSERT INTO attendance VALUES (1,10);

INSERT INTO attendance VALUES (2,9);

INSERT INTO attendance VALUES (3,8);

INSERT INTO attendance VALUES (4,9);

INSERT INTO attendance VALUES (5,8);

SELECT \* FROM attendance;

CREATE TABLE topics(

topic\_id INTEGER,

topic\_name VARCHAR(20)

);

INSERT INTO topics VALUES (1,’HTML’);

INSERT INTO topics VALUES (2,’CSS’);

INSERT INTO topics VALUES (3,’JAVASCRIPT’);

INSERT INTO topics VALUES (4,’REACT’);

INSERT INTO topics VALUES (5,’SQL’);

SELECT \* FROM topics;

CREATE TABLE tasks(

Task\_no INTEGER,

task\_name VARCHAR(20)

);

INSERT INTO tasks VALUES (1,’HTML\_task’);

INSERT INTO tasks VALUES (2,’CSS\_task’);

INSERT INTO tasks VALUES (3,’JAVASCRIPT\_task’);

INSERT INTO tasks VALUES (4,’REACT\_task’);

INSERT INTO tasks VALUES (5,’SQL\_task’);

SELECT \* FROM tasks;

CREATE TABLE company\_drives(

Company\_id INTEGER Primarykey,

company\_name VARCHAR(20),

attended\_by VARCHAR(40),

mail\_id VARCHAR(20)

);

INSERT INTO company\_drives VALUES (1,’IVY’, ‘Mohammed’,’Mohammed@gmail.com’);

INSERT INTO company\_drives VALUES (1,’IVY’,’Abhinav’, ’Abhinav@gmail.com’);

INSERT INTO company\_drives VALUES (1,’IVY’, ‘Akanksha’,’Akanksha@gmail.com’);

INSERT INTO company\_drives VALUES (2,’EY’, ‘Akanksha’,’Akanksha@gmail.com’);

INSERT INTO company\_drives VALUES (2,’EY’,’Abhinav’ , ’Abhinav@gmail.com’);

INSERT INTO company\_drives VALUES (2,’EY’,’Arya’,’Arya@gmail.com’);

INSERT INTO company\_drives VALUES (2,’EY’,’Dhanya’,’Dhanya@gmail.com’);

INSERT INTO company\_drives VALUES (3,’SAP’, ‘Mohammed’,’Mohammed@gmail.com’);

INSERT INTO company\_drives VALUES (3,’SAP’,’Dhanya’ ,’Dhanya@gmail.com’);

INSERT INTO company\_drives VALUES (4,’DXC’, 'Akanksha',’Akanksha@gmail.com’);

INSERT INTO company\_drives VALUES (4,’DXC’,’Abhinav’ , ’Abhinav@gmail.com’);

INSERT INTO company\_drives VALUES (4,’DXC’,’Dhanya’ ,’Dhanya@gmail.com’);

INSERT INTO company\_drives VALUES (5,’ITC’, ’Mohammed’,’Mohammed@gmail.com’);

INSERT INTO company\_drives VALUES (5,’ITC’, ‘Akanksha’,’Akanksha@gmail.com’);

INSERT INTO company\_drives VALUES (5,’ITC’,’Abhinav’ , ’Abhinav@gmail.com’);

INSERT INTO company\_drives VALUES (5,’ITC’,’Arya’ ,’Arya@gmail.com’);

INSERT INTO company\_drives VALUES (5,’ITC’,’Dhanya’ ,’Dhanya@gmail.com’);

SELECT \* FROM company\_drives;

SELECT attended\_by COUNT(\*)

FROM company\_drives

GROUP BY attended\_by;

CREATE TABLE mentor(

Mentor\_name VARCHAR(20),

subject VARCHAR(20)

);

INSERT INTO mentor VALUES (‘Praveen’,’DataScience’);

INSERT INTO mentor VALUES (‘Kumar’,’Python’);

INSERT INTO mentor VALUES (‘Jyothi’,’FullStack’);

INSERT INTO mentor VALUES (‘Anvisht’,’JAVA’);

INSERT INTO mentor VALUES (‘Tiya’,’SQL’);

SELECT \* FROM mentor;

CREATE TABLE students\_activated\_courses(

Course\_name VARCHAR(20),

Activated\_by VARCHAR(20)

);

INSERT INTO students\_activated\_courses VALUES (‘DataScience’,’Dhanya’);

INSERT INTO students\_activated\_courses VALUES (‘DataScience’,’Akanksha’);

INSERT INTO students\_activated\_courses VALUES (‘SQL’,’Arya’);

INSERT INTO students\_activated\_courses VALUES (‘SQL’,’Abhinav’);

INSERT INTO students\_activated\_courses VALUES (‘Python’,’Dhanya’);

INSERT INTO students\_activated\_courses VALUES (‘Python’,’Mohammed’);

INSERT INTO students\_activated\_courses VALUES (‘Python’,’Arya’);

INSERT INTO students\_activated\_courses VALUES (‘FullStack’,’Dhanya’);

INSERT INTO students\_activated\_courses VALUES (‘FullStack’,’Mohammed’);

INSERT INTO students\_activated\_courses VALUES (‘FullStack’,’Akanksha’);

INSERT INTO students\_activated\_courses VALUES (‘FullStack’,’Arya’);

INSERT INTO students\_activated\_courses VALUES (‘JAVA’,’Abhinav’);

INSERT INTO students\_activated\_courses VALUES (‘JAVA’,’Mohammed’);

INSERT INTO students\_activated\_courses VALUES (‘JAVA’,’Arya’);

SELECT \* FROM students\_activated\_courses GROUP BY Activated\_by;

CREATE TABLE courses(

Course\_id INTEGER,

Course\_name VARCHAR(20)

);

INSERT INTO courses VALUES (1,’DataScience’);

INSERT INTO courses VALUES (2,’Python’);

INSERT INTO courses VALUES (3,’Fullsatck’);

INSERT INTO courses VALUES (4,’JAVA’);

INSERT INTO courses VALUES (5,’SQL’);

SELECT \* FROM courses;

SELECT \* FROM mentors INNER JOIN students\_activated\_courses ON subject = course\_name;

COUNT (\*)

GROUP BY Mentor\_name;