KARTHIK V
CIT
HUAWEI INTERNSHIP
ASSIGNMENT

DATABASE FOUNDATION

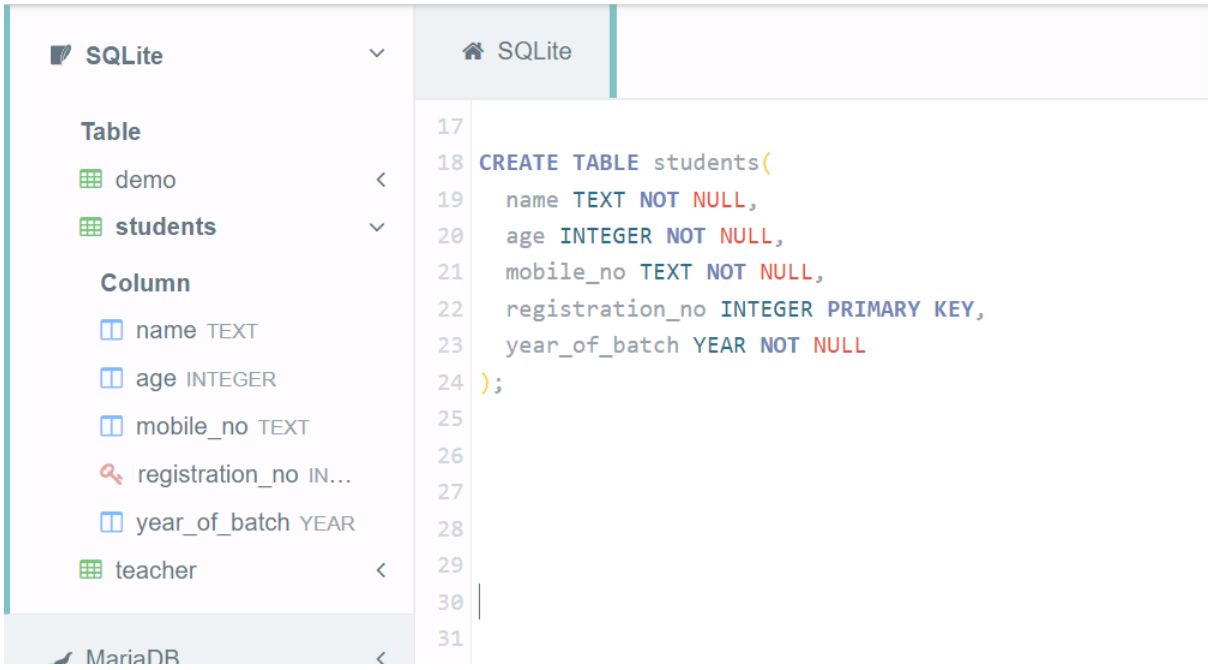
(SQlite)

Assignment 1: Create a DB for your college with following parameters:

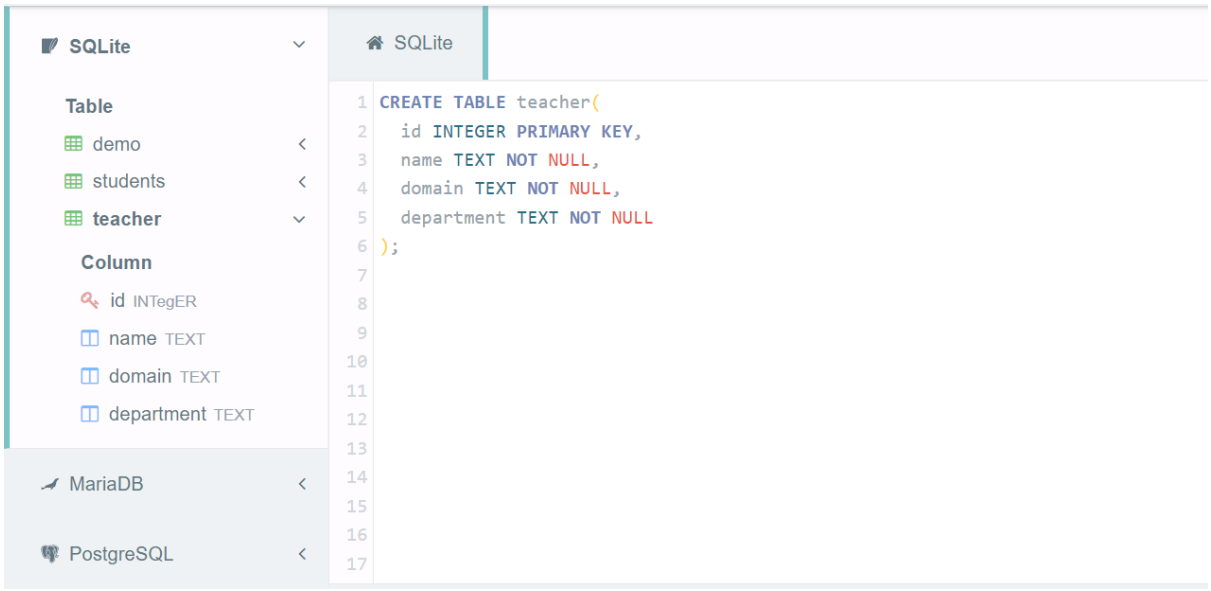
1.Create a table for students with name, age, mobile no, registration no., year of batch as columns.
2.Create a table for teachers with name, domain, department as column
3.Write a query to insert 10 students data and 10 teachers data in the respective table
4.Write a query to fetch all the students from 2020 batch
5.Write a query to fetch all teachers from CS department
6.Write a query to edit at least 3 records of students
7.Write a query to delete 2 records from teachers table.

CODE

1.Create a table for students with name, age, mobile no, registration no., year of batch as columns.



2.Create a table for teachers with name, domain, department as column



3.Write a query to insert 10 students data and 10 teachers data in the respective table

STUDENT TABLE

```
INSERT INTO students (name,age,mobile_no,registration_no,year_of_batch) VALUES
 ('karthik',20,'9876765676',1,2018),
 ('logesh',21,'9876545676',2,2018),
 ('abi',19,'8765678765',3,2020),
 ('gopi',22,'8767987656',4,2017),
 ('priya',23,'9876567656',5,2017),
 ('subi',18,'9456765678',6,2021),
 ('kavin',20,'9876567656',7,2018),
 ('praba',18,'9876767678',8,2020),
 ('tom',18,'8767879656',9,2021),
 ('john',17,'9876776876',10,2022);
```

```
SELECT * FROM students;
```

name	age	mobile_no	registration_no	year_of_batch
karthik	20	9876765676	1	2018
logesh	21	9876545676	2	2018
abi	19	8765678765	3	2020
gopi	22	8767987656	4	2017
priya	23	9876567656	5	2017
subi	18	9456765678	6	2021
kavin	20	9876567656	7	2018
praba	18	9876767678	8	2020
tom	18	8767879656	9	2021
john	17	9876776876	10	2022

TEACHER TABLE

```
INSERT INTO teacher (id,name,domain,department) VALUES
 (1,'muthu','Maths','CSE'),
 (2,'kevin','Java','CSE'),
 (3,'hemanth','Database','IT'),
 (4,'vaani','Operating System','IT'),
 (5,'george','Computer Networks','CSE'),
 (6,'arul','Engineering Drawing and Graphics','CIVIL'),
 (7,'indhu','Thermodynamics','MECHANICAL'),
 (8,'divya','CAD/CAM','MECHANICAL'),
 (9,'mary','Microcontroller','EEE'),
 (10,'peter','Fluid-Mechanics','MECHANICAL');
```

SQLite

```
SELECT * FROM teacher;
```

id	name	domain	department
1	muthu	Maths	CSE
2	kevin	Java	CSE
3	hemanth	Database	IT
4	vaani	Operating System	IT
5	george	Computer Networks	CSE
6	arul	Engineering Drawing and Graphics	CIVIL
7	indhu	Thermodynamics	MECHANICAL
8	divya	CAD/CAM	MECHANICAL
9	mary	Microcontroller	EEE
10	peter	Fluid-Mechanics	MECHANICAL

4.Write a query to fetch all the students from 2020 batch

```
SELECT * FROM students WHERE year_of_batch=2020;
```

name	age	mobile_no	registration_no	year_of_batch
abi	19	8765678765	3	2020
praba	18	9876767678	8	2020

5.Write a query to fetch all teachers from CS department

SQLite

```
SELECT * FROM teacher WHERE department='CSE';
```

id	name	domain	department
1	muthu	Maths	CSE
2	kevin	Java	CSE
5	george	Computer Networks	CSE

6.Write a query to edit at least 3 records of students

```
UPDATE students SET age=20 WHERE year_of_batch=2018;

SELECT * FROM students;
```

name	age	mobile_no	registration_no	year_of_batch
karthik	20	9876765676	1	2018
logesh	20	9876545676	2	2018
abi	19	8765678765	3	2020
gopi	22	8767987656	4	2017
priya	23	9876567656	5	2017
subi	18	9456765678	6	2021
kavin	20	9876567656	7	2018
praba	18	9876767678	8	2020
tom	18	8767879656	9	2021
1 2	17	9876776876	10	2022

7.Write a query to delete 2 records from teachers table.

SQLite

```
DELETE FROM teacher WHERE department='IT';

SELECT * FROM teacher;
```

id	name	domain	department
1	muthu	Maths	CSE
2	kevin	Java	CSE
5	george	Computer Networks	CSE
6	arul	Engineering Drawing and Graphics	CIVIL
7	indhu	Thermodynamics	MECHANICAL
8	divya	CAD/CAM	MECHANICAL
9	mary	Microcontroller	EEE
10	peter	Fluid-Mechanics	MECHANICAL