

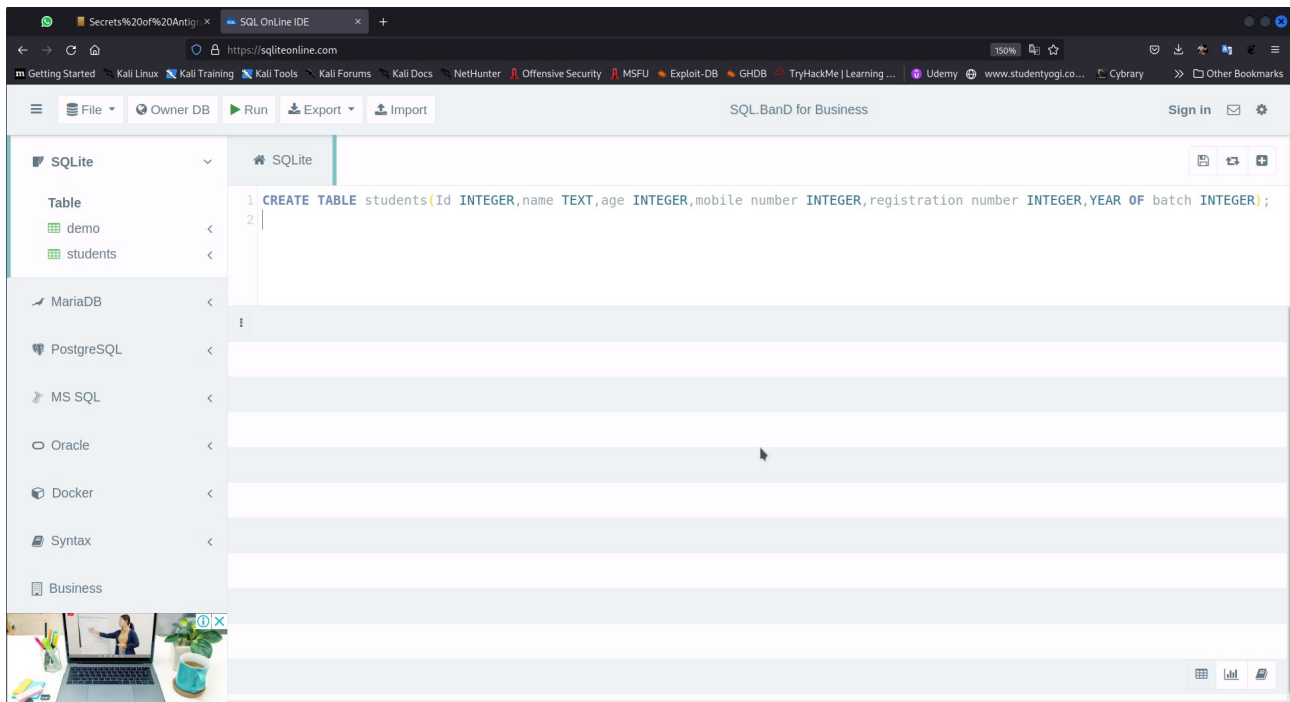
Assignment 1:

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:

QUERY:

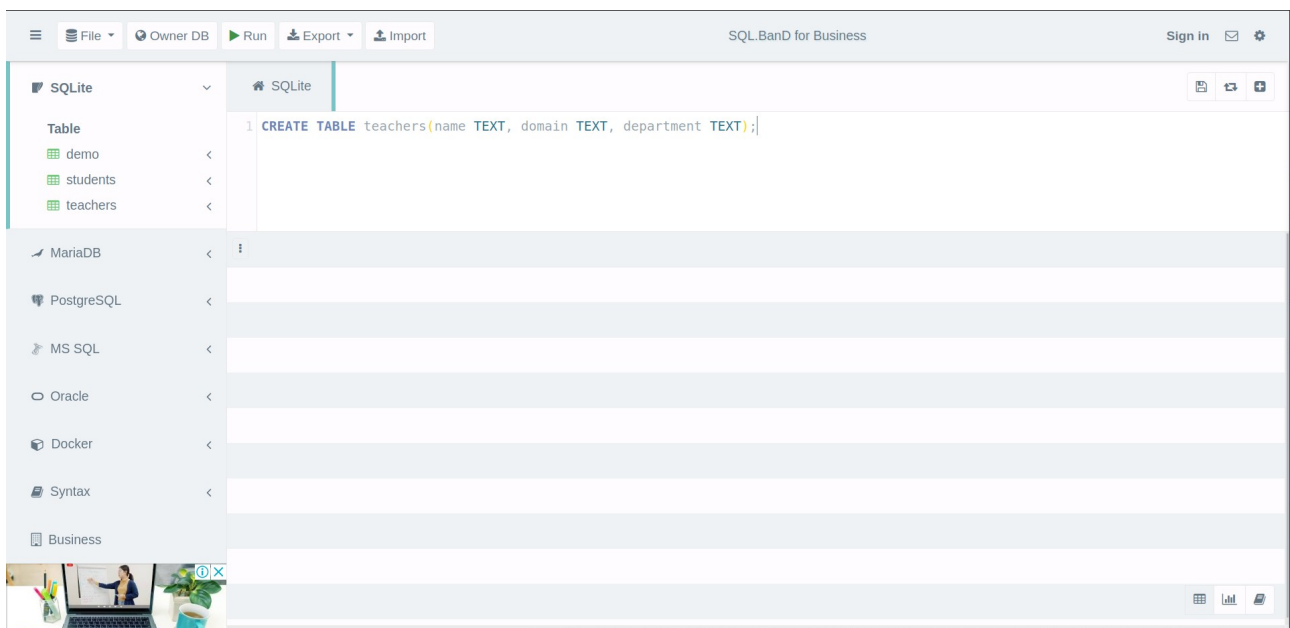
```
CREATE table students(Id INTEGER,name TEXT,age INTEGER,mobile number INTEGER,registration number  
INTEGER,year of batch INTEGER);
```



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

Query:

```
CREATE TABLE teachers(name TEXT, domain TEXT, department TEXT);
```



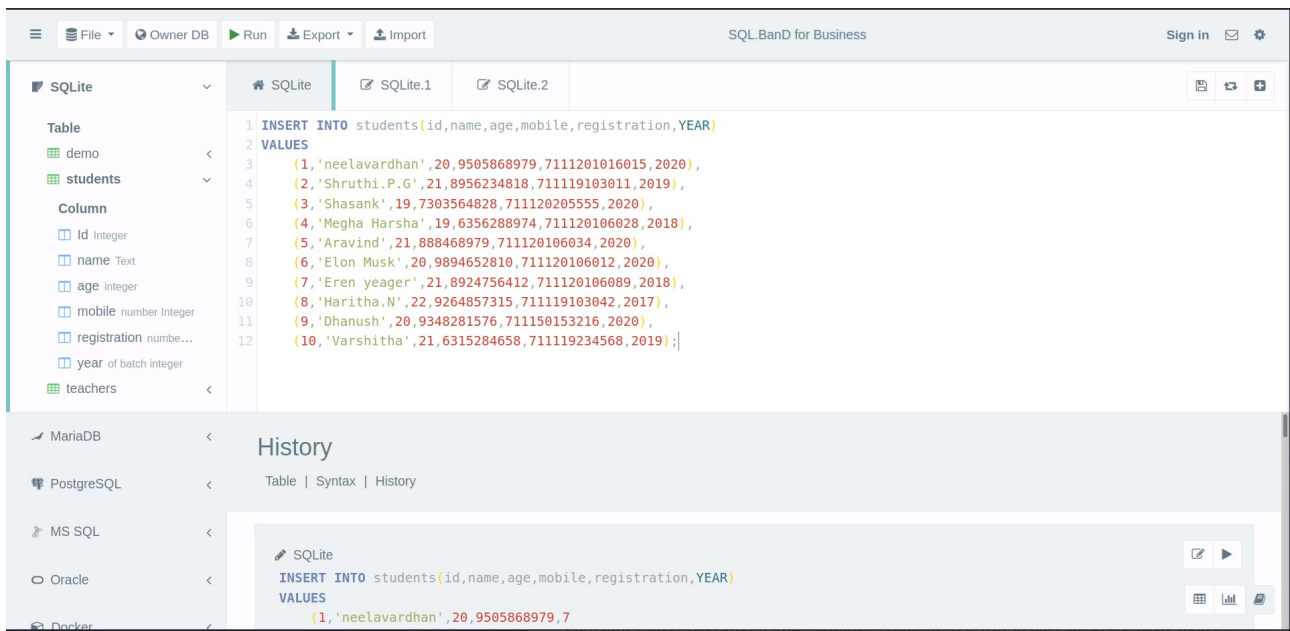
3.Write a query to insert 10 students data and 10 teachers data in the respective table:

Query:for students table

```
INSERT INTO students(id,name,age,mobile,registration,year)
```

VALUES

```
(1,'neelavardhan',20,9505868979,7111201016015,2020),  
(2,'Shruthi.P.G',21,8956234818,711119103011,2019),  
(3,'Shasank',19,7303564828,711120205555,2020),  
(4,'Megha Harsha',19,6356288974,711120106028,2018),  
(5,'Aravind',21,888468979,711120106034,2020),  
(6,'Elon Musk',20,9894652810,711120106012,2020),  
(7,'Eren yeager',21,8924756412,711120106089,2018),  
(8,'Haritha.N',22,9264857315,711119103042,2017),  
(9,'Dhanush',20,9348281576,711150153216,2020),  
(10,'Varshitha',21,6315284658,711119234568,2019);
```



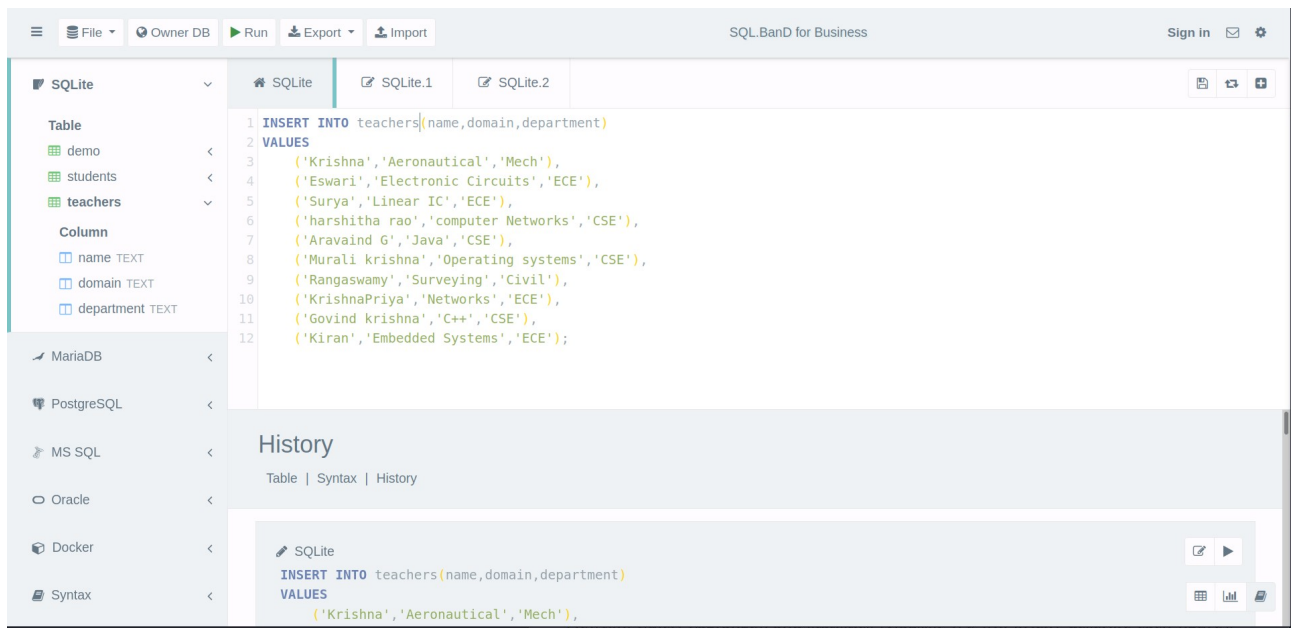
For teachers:

Query:

```
INSERT INTO teachers(name,domain,department)
```

VALUES

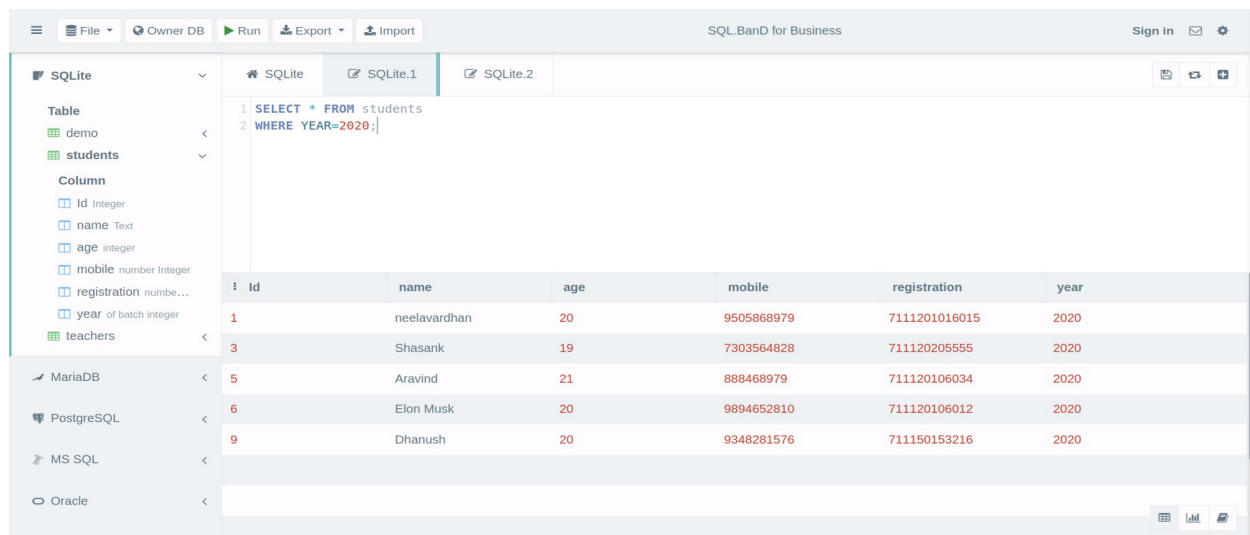
```
('Krishna','Aeronautical','Mech'),  
( 'Eswari','Electronic Circuits','ECE'),  
( 'Surya','Linear IC','ECE'),  
( 'harshitha rao','computer Networks','CSE'),  
( 'Aravaind G','Java','CSE'),  
( 'Murali krishna','Operating systems','CSE'),  
( 'Rangaswamy','Surveying','Civil'),  
( 'KrishnaPriya','Networks','ECE'),  
( 'Govind krishna','C++','CSE'),  
( 'Kiran','Embedded Systems','ECE');
```



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

query :

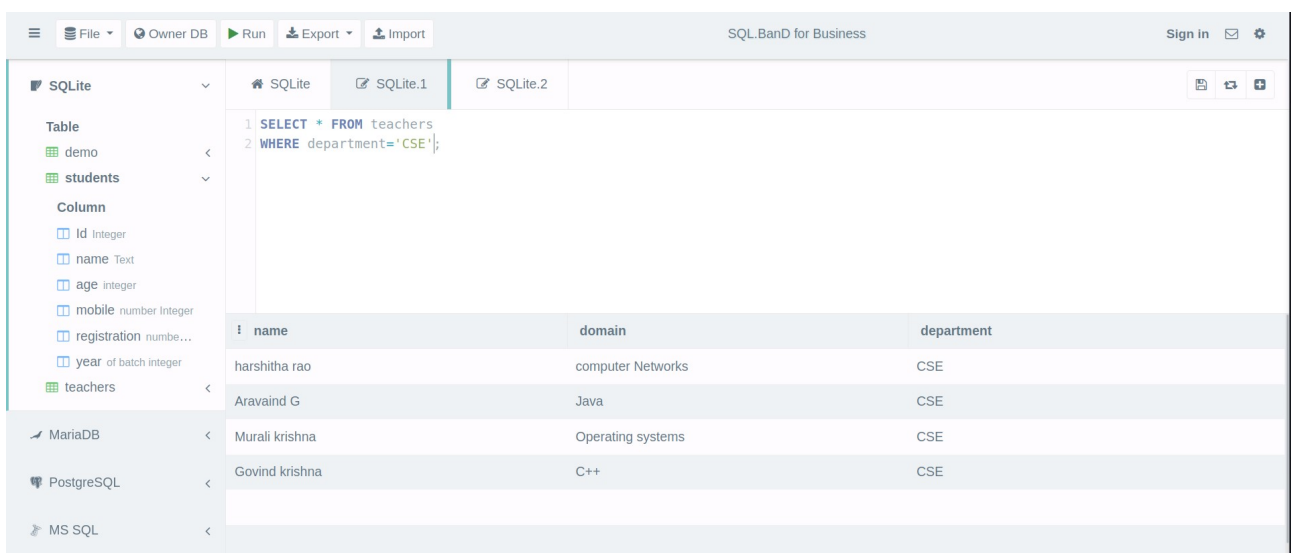
```
SELECT * from students
where year=2020;
```



5. Write a query to fetch all teachers from CSE Department;

query:

```
SELECT * from teachers where department='CSE';
```



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

Query:

UPDATE students

SET age=CASE

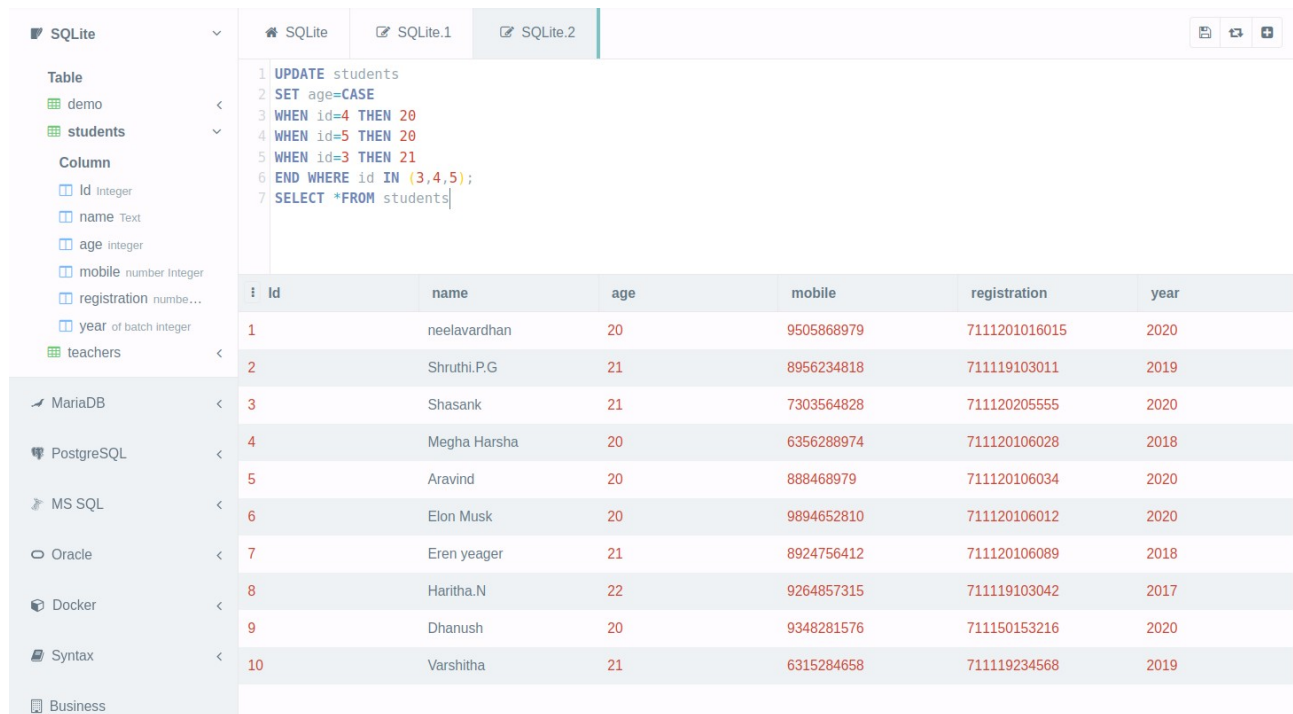
WHEN id=4 then 20

when id=5 then 20

when id=3 then 21

end where id in (3,4,5);

SELECT *from students



The screenshot shows a database management tool interface. On the left, there is a sidebar with a tree view containing 'SQLite', 'MariaDB', 'PostgreSQL', 'MS SQL', 'Oracle', 'Docker', 'Syntax', and 'Business'. The 'SQLite' section is expanded, showing a 'Table' list with 'demo' and 'students'. The 'students' table is selected, and its columns are listed: 'Id' (Integer), 'name' (Text), 'age' (Integer), 'mobile' (Number Integer), 'registration' (Number Integer), and 'year' (Integer). The main area displays an SQL query in a text editor:

```
1 UPDATE students
2 SET age=CASE
3 WHEN id=4 THEN 20
4 WHEN id=5 THEN 20
5 WHEN id=3 THEN 21
6 END WHERE id IN (3,4,5);
7 SELECT *FROM students
```

Below the query, the results of the SELECT statement are shown in a table with 7 columns: 'Id', 'name', 'age', 'mobile', 'registration', and 'year'. The table contains 10 rows of data:

Id	name	age	mobile	registration	year
1	neelavardhan	20	9505868979	7111201016015	2020
2	Shruthi.P.G	21	8956234818	711119103011	2019
3	Shasank	21	7303564828	711120205555	2020
4	Megha Harsha	20	6356288974	711120106028	2018
5	Aravind	20	888468979	711120106034	2020
6	Elon Musk	20	9894652810	711120106012	2020
7	Eren yeager	21	8924756412	711120106089	2018
8	Haritha.N	22	9264857315	711119103042	2017
9	Dhanush	20	9348281576	711150153216	2020
10	Varshitha	21	6315284658	711119234568	2019

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

query:

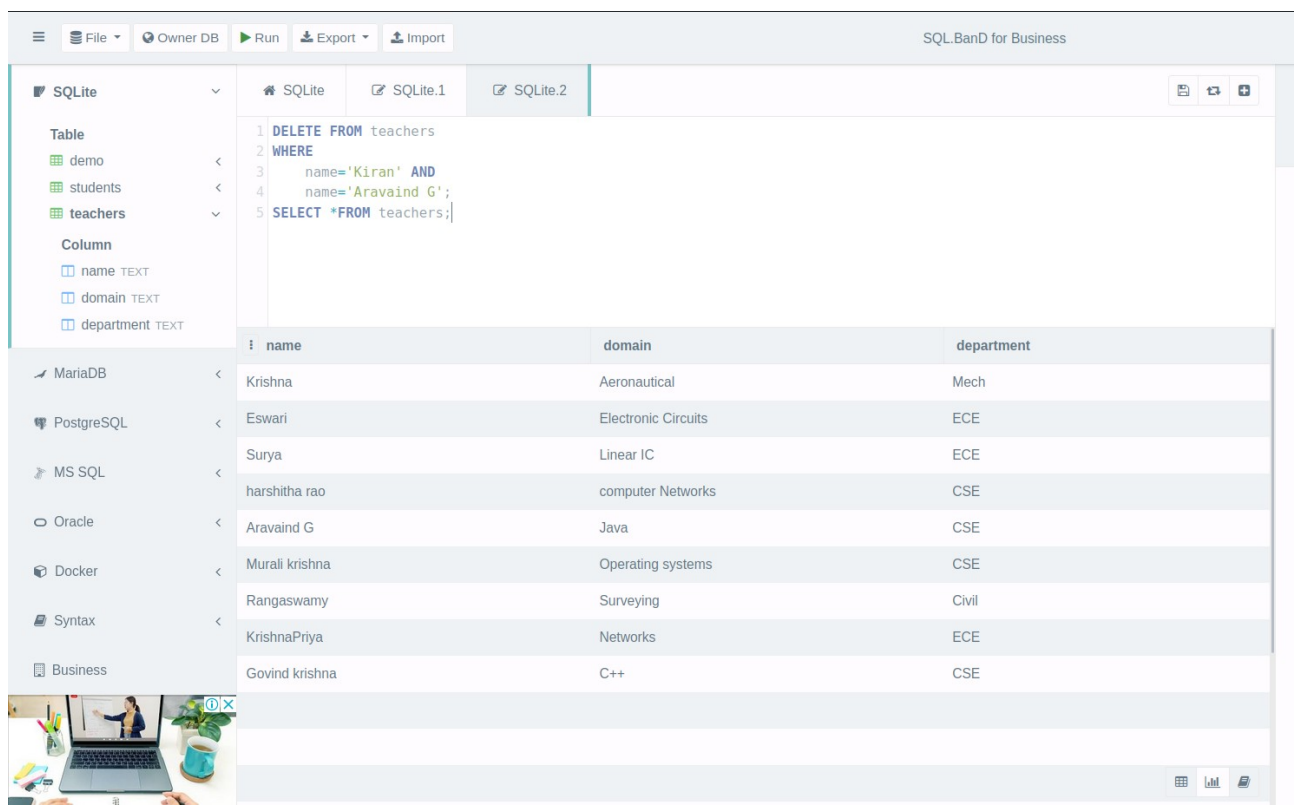
delete from teachers

where

name='Kiran' and

name='Aravaind G';

SELECT *from teachers;



The screenshot shows a database management tool interface. On the left, there is a sidebar with a tree view containing 'SQLite', 'MariaDB', 'PostgreSQL', 'MS SQL', 'Oracle', 'Docker', 'Syntax', and 'Business'. The 'SQLite' section is expanded, showing a 'Table' list with 'demo', 'students', and 'teachers'. The 'teachers' table is selected, and its columns are listed: 'name' (Text), 'domain' (Text), and 'department' (Text). The main area displays an SQL query in a text editor:

```
1 DELETE FROM teachers
2 WHERE
3     name='Kiran' AND
4     name='Aravaind G';
5 SELECT *FROM teachers;
```

Below the query, the results of the SELECT statement are shown in a table with 3 columns: 'name', 'domain', and 'department'. The table contains 10 rows of data:

name	domain	department
Krishna	Aeronautical	Mech
Eswari	Electronic Circuits	ECE
Surya	Linear IC	ECE
harshitha rao	computer Networks	CSE
Aravaind G	Java	CSE
Murali krishna	Operating systems	CSE
Rangaswamy	Surveying	Civil
KrishnaPriya	Networks	ECE
Govind krishna	C++	CSE