KARTHIK V
CIT
HUAWEI INTERNSHIP
ASSIGNMENT

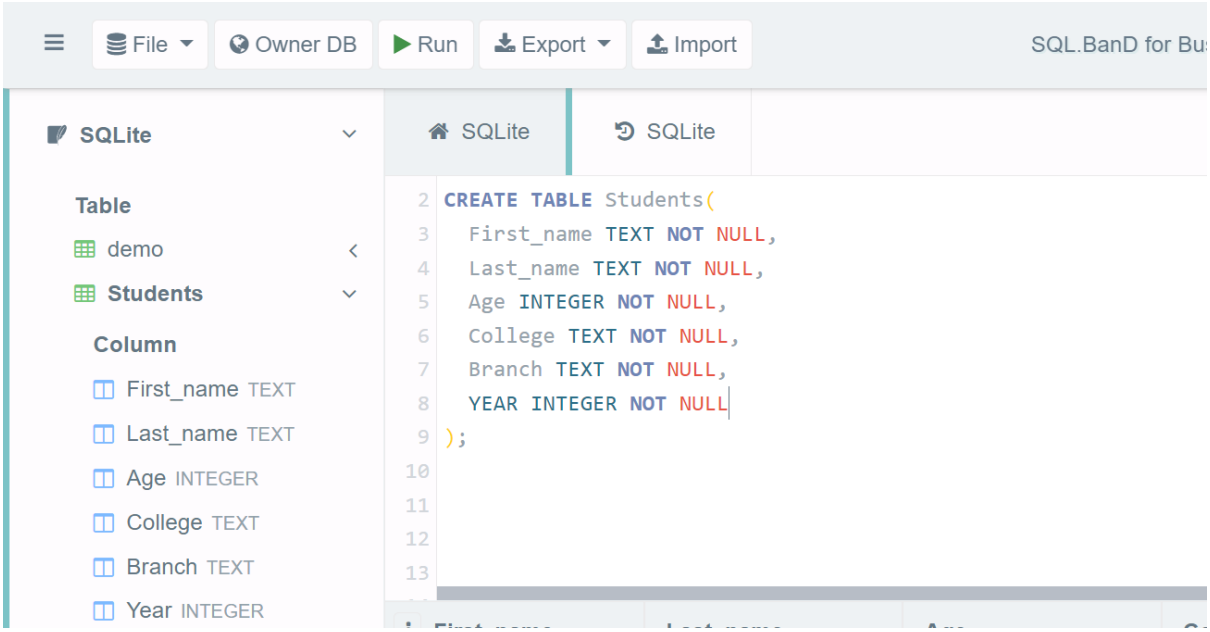
DATABASE FOUNDATION

1. **Create SQLite Database with table named 'Students' with the following fields**
    - **First_name as text**
    - **Last_name as text**
    - **Age as number**
    - **College as text**
    - **Branch as text**
    - **Year as number**

CODE

```
CREATE TABLE Students(
  First_name TEXT NOT NULL,
  Last_name TEXT NOT NULL,
  Age INTEGER NOT NULL,
  College TEXT NOT NULL,
  Branch TEXT NOT NULL,
  Year INTEGER NOT NULL
);
```

OUTPUT

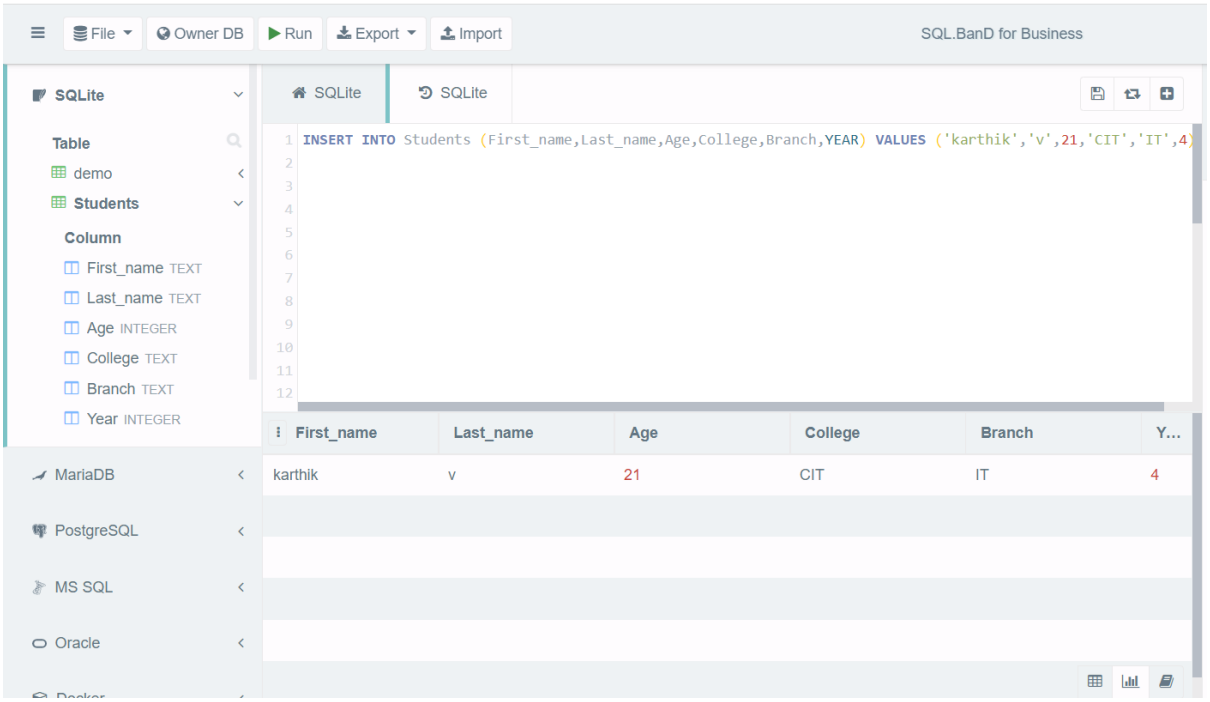


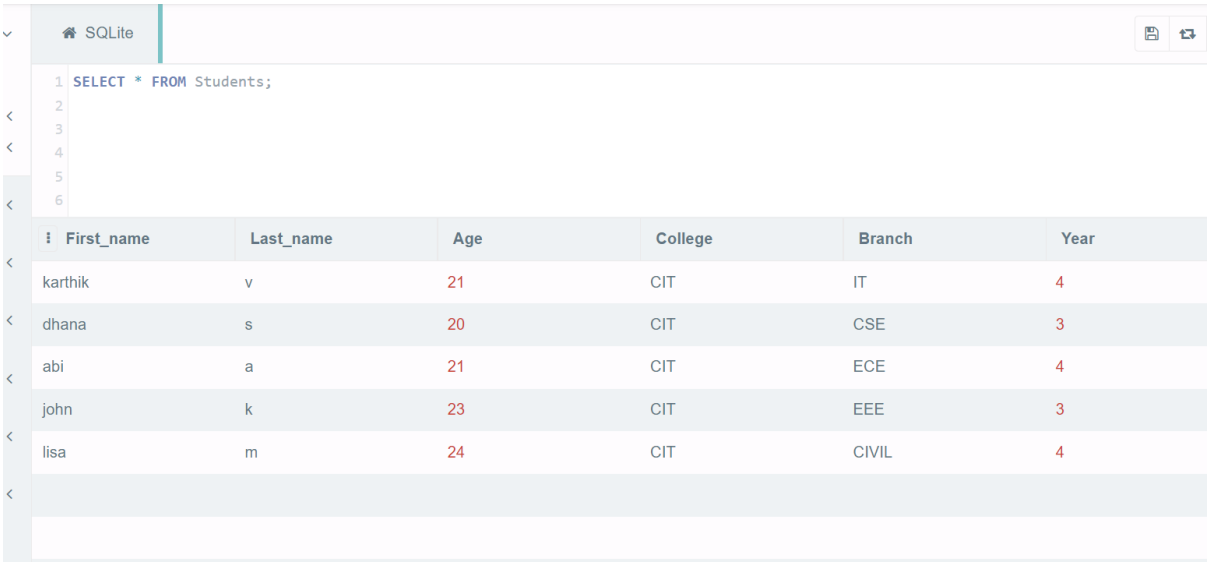
2. **Insert at least 5 rows**

   CODE

   INSERT INTO
   Students (First_name, Last_name, Age, College, Branch, Year)
   VALUES ('karthik','v',21,'CIT','IT',3);

   OUTPUT


File
Owner DB
Run
Export
Import
SQL.BanD for Business
SQLite
Table
demo
Students
Column
First_name TEXT
Last_name TEXT
Age INTEGER
College TEXT
Branch TEXT
Year INTEGER
MariaDB
PostgreSQL
MS SQL
Oracle
SQLite
SQLite
1 INSERT INTO Students (First_name,Last_name,Age,College,Branch,YEAR) VALUES ('karthik','v',21,'CIT','IT',4)
First_name
Last_name
Age
College
Branch
Y...
karthik
v
21
CIT
IT
4


SQLite
1 SELECT * FROM Students;
First_name
Last_name
Age
College
Branch
Year
karthik
v
21
CIT
IT
4
dhana
s
20
CIT
CSE
3
abi
a
21
CIT
ECE
4
john
k
23
CIT
EEE
3
lisa
m
24
CIT
CIVIL
4

3. **Update row using First_name and Last_name both**

CODE

```
UPDATE Students
SET Age=20
WHERE First_name='karthik' AND Last_name='v';
```

OUTPUT

SQLite

```
13
14 UPDATE Students SET Age=20 WHERE First_name='karthik' AND Last_name='v';
15 SELECT * FROM Students;
16
17
18
```

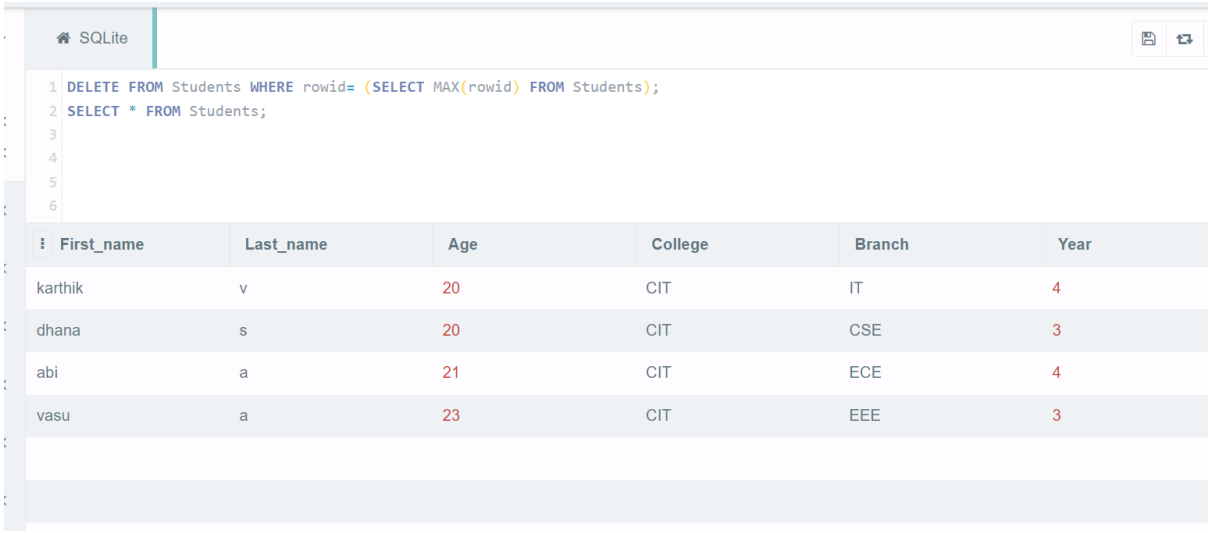
First_name	Last_name	Age	College	Branch	Year
karthik	v	20	CIT	IT	4
dhana	s	20	CIT	CSE	3
abi	a	21	CIT	ECE	4
vasu	a	23	CIT	EEE	3
lisa	m	24	CIT	CIVIL	4

4. **Delete last row**

CODE

```
DELETE FROM Students
WHERE rowid= (SELECT MAX(rowid) from Students);
```

OUTPUT



First_name	Last_name	Age	College	Branch	Year
karthik	v	20	CIT	IT	4
dhana	s	20	CIT	CSE	3
abi	a	21	CIT	ECE	4
vasu	a	23	CIT	EEE	3