

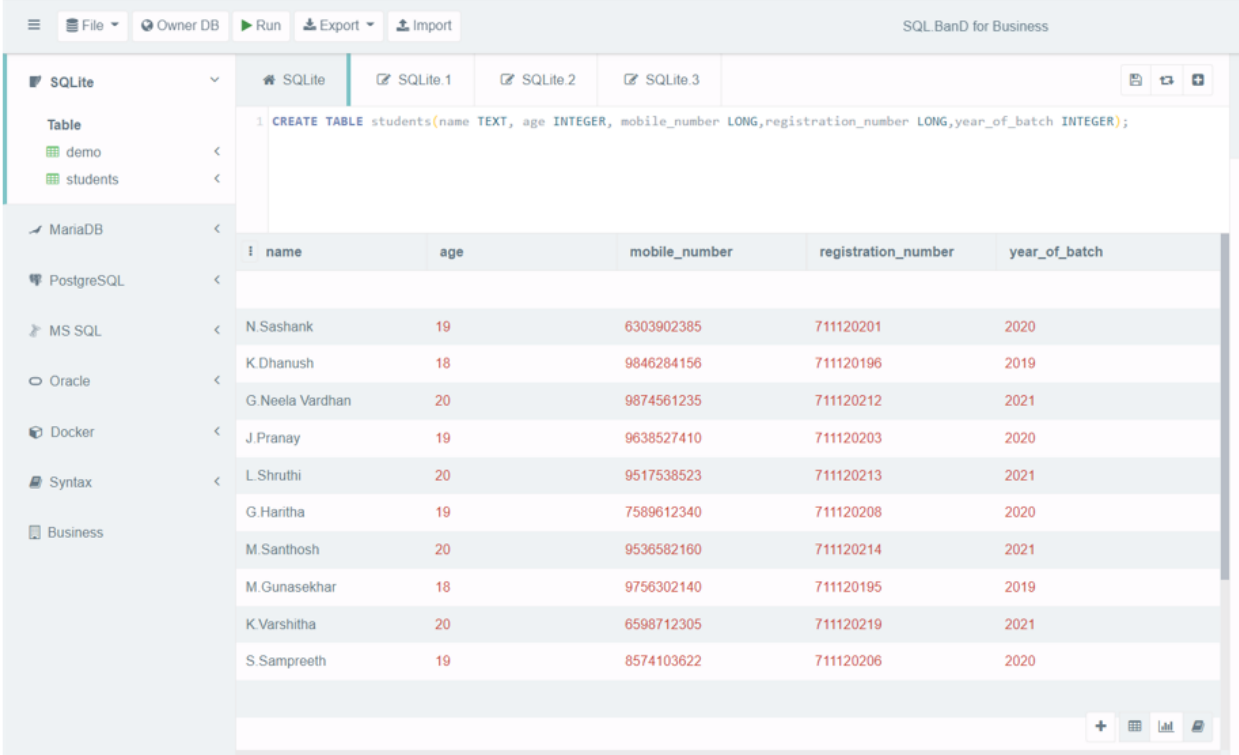
## Assignment 1:

**Name: Mudumba Sai Balaji Sashank**

**College: Jansons Institute of Technology**

**Create a DB for your college with following parameters:**

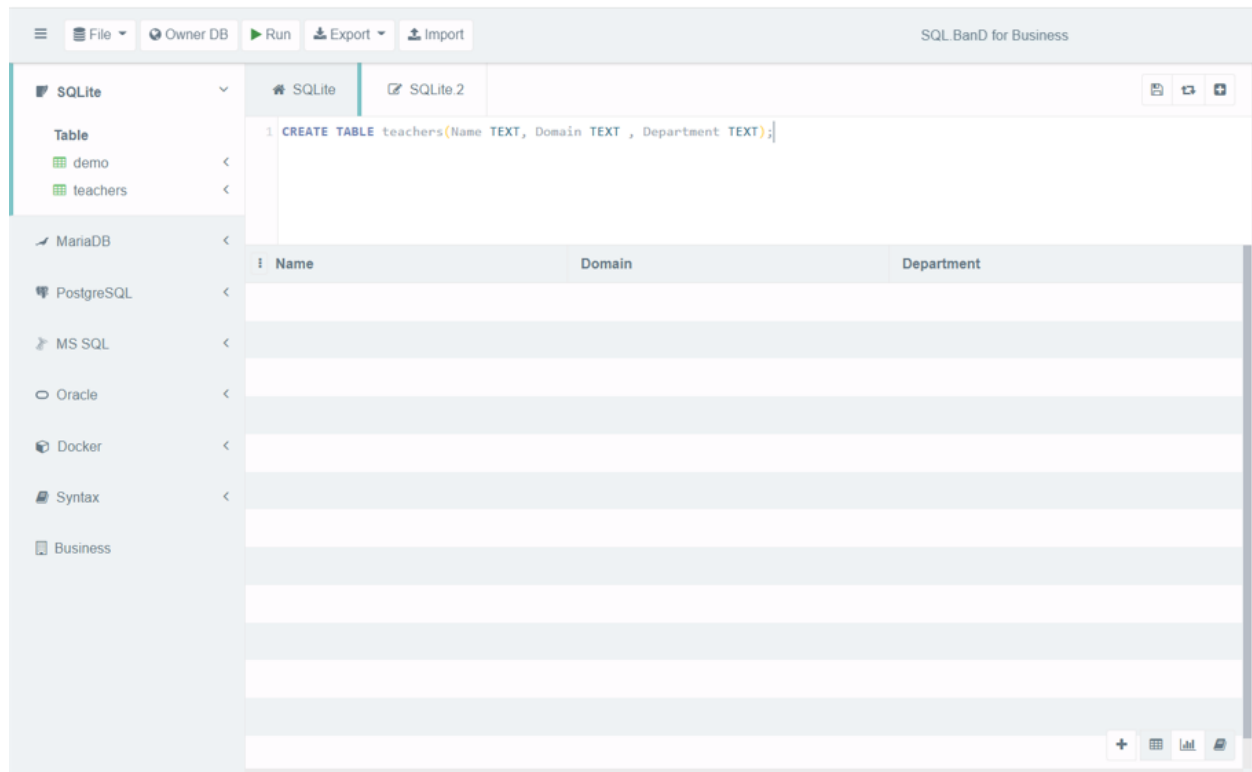
1. Create a table for students with name, age, mobile no, registration no., year of batch as columns.



The screenshot shows the SQL Band for Business interface. On the left, a sidebar lists database types: SQLite (selected), MariaDB, PostgreSQL, MS SQL, Oracle, Docker, Syntax, and Business. Under SQLite, there are two tables: 'demo' and 'students'. The 'students' table is selected, and its data is displayed in a table view. The table has five columns: name, age, mobile\_number, registration\_number, and year\_of\_batch. The data is as follows:

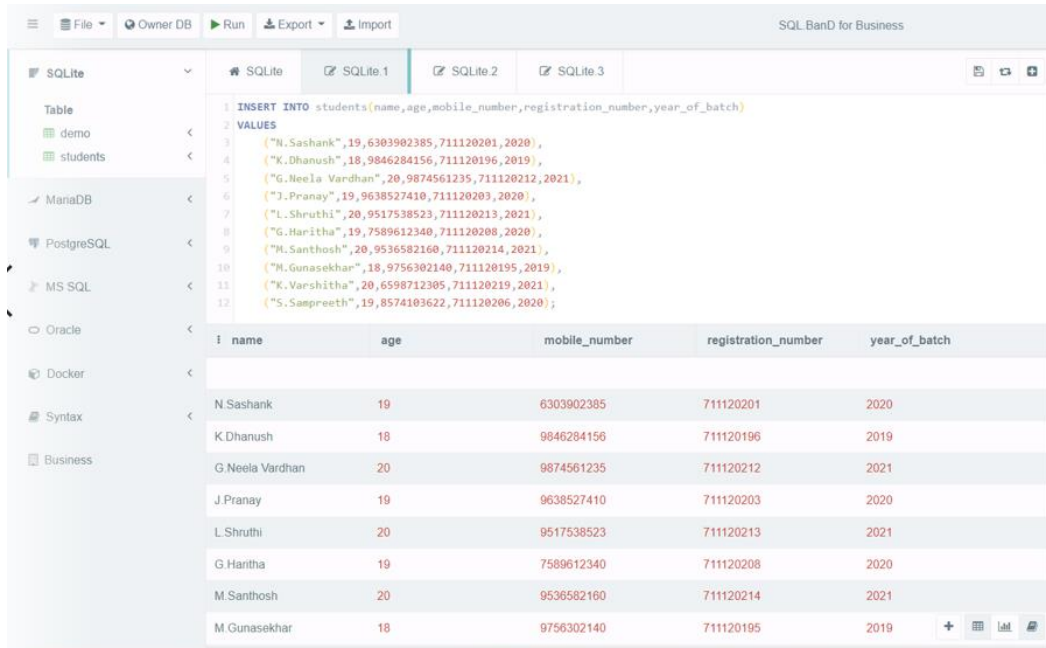
name	age	mobile_number	registration_number	year_of_batch
N.Sashank	19	6303902385	711120201	2020
K.Dhanush	18	9846284156	711120196	2019
G.Neela Vardhan	20	9874561235	711120212	2021
J.Pranay	19	9638527410	711120203	2020
L.Shruthi	20	9517538523	711120213	2021
G.Haritha	19	7589612340	711120208	2020
M.Santhosh	20	9536582160	711120214	2021
M.Gunasekhar	18	9756302140	711120195	2019
K.Varshitha	20	6598712305	711120219	2021
S.Sampreeth	19	8574103622	711120206	2020

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

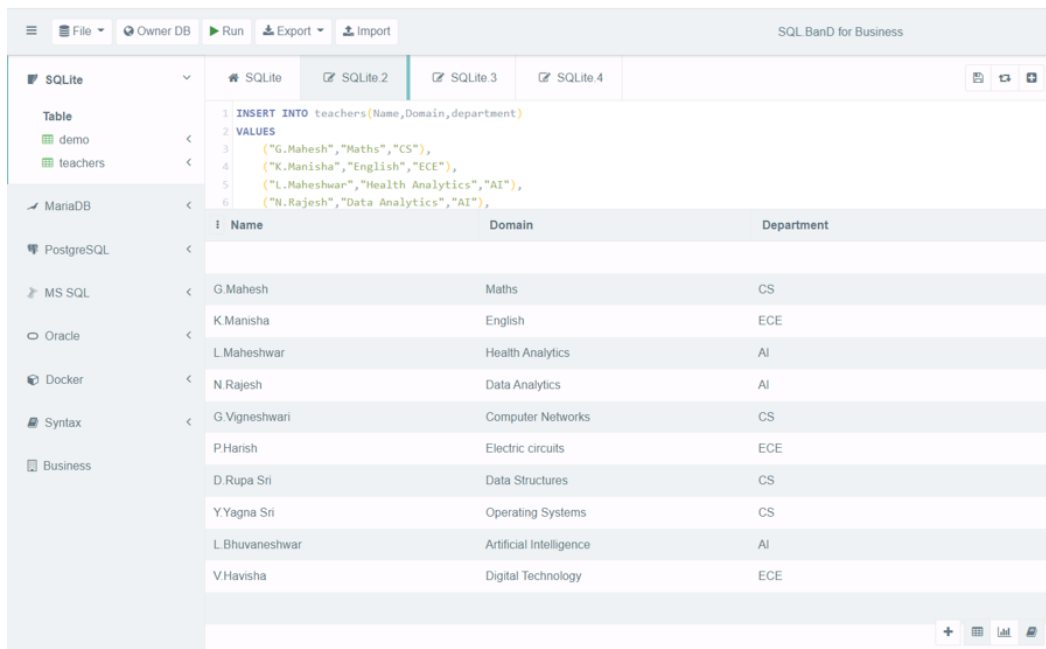
## Students Data:-



The screenshot shows the SQL BanD for Business interface. On the left, a sidebar lists database types: SQLite (selected), MariaDB, PostgreSQL, MS SQL, Oracle, Docker, Syntax, and Business. Under SQLite, there are two tables: 'demo' and 'students'. The main area displays an SQL query: `INSERT INTO students(name,age,mobile_number,registration_number,year_of_batch) VALUES ('N.Sashank',19,6303902385,711120201,2020), ('K.Dhanush',18,9846284156,711120196,2019), ('G.Neela Vardhan',20,9874561235,711120212,2021), ('J.Pranay',19,9638527410,711120203,2020), ('L.Shruthi',20,9517538523,711120213,2021), ('G.Haritha',19,7589612340,711120208,2020), ('M.Santhosh',20,9536582160,711120214,2021), ('M.Gunasekhar',18,9756302140,711120195,2019), ('K.Vareshitha',20,6598712305,711120219,2021), ('S.Sampreeth',19,8574103622,711120206,2020);`. Below the query, a table shows the results of the insert operation.

i	name	age	mobile_number	registration_number	year_of_batch
	N Sashank	19	6303902385	711120201	2020
	K Dhanush	18	9846284156	711120196	2019
	G Neela Vardhan	20	9874561235	711120212	2021
	J Pranay	19	9638527410	711120203	2020
	L Shruthi	20	9517538523	711120213	2021
	G Haritha	19	7589612340	711120208	2020
	M.Santhosh	20	9536582160	711120214	2021
	M Gunasekhar	18	9756302140	711120195	2019

## Teachers Data:-



The screenshot shows the SQL BanD for Business interface. On the left, a sidebar lists database types: SQLite (selected), MariaDB, PostgreSQL, MS SQL, Oracle, Docker, Syntax, and Business. Under SQLite, there are two tables: 'demo' and 'teachers'. The main area displays an SQL query: `INSERT INTO teachers(Name,Domain,department) VALUES ('G.Mahesh','Maths','CS'), ('K.Manisha','English','ECE'), ('L.Maheshwar','Health Analytics','AI'), ('N.Rajesh','Data Analytics','AI');`. Below the query, a table shows the results of the insert operation.

i	Name	Domain	Department
	G Mahesh	Maths	CS
	K Manisha	English	ECE
	L Maheshwar	Health Analytics	AI
	N Rajesh	Data Analytics	AI
	G Vigneshwari	Computer Networks	CS
	P Harish	Electric circuits	ECE
	D.Rupa Sri	Data Structures	CS
	Y Yagna Sri	Operating Systems	CS
	L Bhuvaneshwar	Artificial Intelligence	AI
	V Havisha	Digital Technology	ECE

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

SQLite

Table

- demo
- students

SQLite

```

1 SELECT * FROM students
2 WHERE year_of_batch IS 2020

```

name	age	mobile_number	registration_number	year_of_batch
N.Sashank	19	6303902385	711120201	2020
J.Pranay	19	9638527410	711120203	2020
G.Haritha	19	7589612340	711120208	2020
S.Sampreeth	19	8574103622	711120206	2020

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

SQLite

Table

- demo
- teachers

SQLite

```

1 SELECT * FROM teachers
2 WHERE department="CS";

```

Name	Domain	Department
G Mahesh	Maths	CS
G Vigneshwari	Computer Networks	CS
D Rupa Sri	Data Structures	CS
Y.Yagna Sri	Operating Systems	CS

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

SQLite

Table

- demo
- students

SQLite

```

1 UPDATE students
2 SET
3   age=19,
4   year_of_batch=2020
5 WHERE
6   name="M.Santhosh";
7 UPDATE students
8 SET
9   age=20,

```

name	age	mobile_number	registration_number	year_of_batch
N Sashank	20	6303902385	711120201	2021
K.Dhanush	18	9846284156	711120196	2019
G Neela Vardhan	20	9874561235	711120212	2021
J Pranay	18	9638527410	711120203	2019
L.Shruthi	20	9517538523	711120213	2021
G.Haritha	19	7589612340	711120208	2020
M.Santhosh	19	9536582160	711120214	2020
M.Gunasekhar	18	9756302140	711120195	2019
K.Varshitha	20	6598712305	711120219	2021
S.Sampreeth	19	8574103622	711120206	2020

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

SQLite

Table

- demo
- teachers

SQLite

```

1 DELETE FROM teachers
2 WHERE
3   Name="G.Mahesh"
4

```

Name	Domain	Department
K Manisha	English	ECE
L.Maheshwar	Health Analytics	AI
N.Rajesh	Data Analytics	AI
G.Vigneshwari	Computer Networks	CS
P.Harish	Electric circuits	ECE
D.Rupa Sri	Data Structures	CS
Y.Yagna Sri	Operating Systems	CS
L.Bhuvaneshwar	Artificial Intelligence	AI
V.Havisha	Digital Technology	ECE

File

Owner DB

Run

Export

Import

SQL Band for Business

SQLite

Table

demo

teachers

MariaDB

PostgreSQL

MS SQL

Oracle

Docker

Syntax

Business

SQLite

SQLite.2

SQLite.4

SQLite.5

SQLite.6

1 DELETE FROM teachers

2 WHERE

3     Name="L.Maheshwar"

4

Name	Domain	Department
K.Manisha	English	ECE
N.Rajesh	Data Analytics	AI
G.Vigneshwari	Computer Networks	CS
P.Harish	Electric circuits	ECE
D.Rupa Sri	Data Structures	CS
Y.Yagna Sri	Operating Systems	CS
L.Bhuvaneshwar	Artificial Intelligence	AI
V.Havisha	Digital Technology	ECE