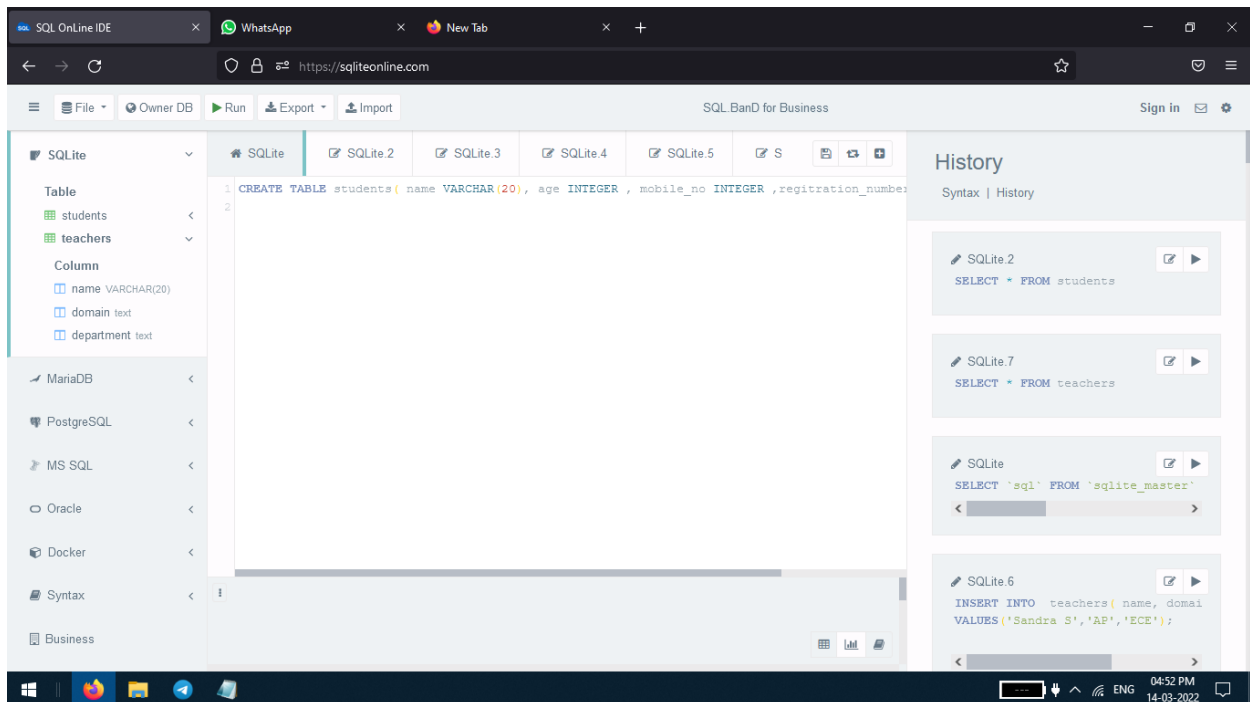


Assignment 1:

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

The screenshot displays the SQLite Online IDE interface. The browser tabs at the top include 'SQL OnLine IDE', 'WhatsApp', and 'New Tab'. The address bar shows the URL 'https://sqliteonline.com'. The interface features a top navigation bar with 'File', 'Owner DB', 'Run', 'Export', and 'Import' buttons, and a 'Sign in' link. On the left, a sidebar lists databases: 'SQLite' (selected), 'MariaDB', 'PostgreSQL', 'MS SQL', 'Oracle', 'Docker', 'Syntax', and 'Business'. Under 'SQLite', the 'Table' section shows 'students' and 'teachers'. The 'teachers' table is expanded, showing columns: 'name VARCHAR(20)', 'domain text', and 'department text'. The main editor area contains the SQL command:

```
1 CREATE TABLE teachers ( name VARCHAR(20), domain TEXT , department TEXT )
```

. The right sidebar, titled 'History', lists previous queries: 'SQLite' (SELECT 'sql' FROM 'sqlite_master'), 'SQLite.2' (SELECT * FROM students), 'SQLite.2' (SELECT * FROM students), and 'SQLite.7' (SELECT * FROM teachers). The Windows taskbar at the bottom shows the time as 04:53 PM on 14-03-2022.

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

The screenshot shows the SQL Online IDE interface. The main editor displays an SQL query to insert data into the 'students' table. The query is as follows:

```
1 INSERT INTO students (name,age,mobile_no,regitration_number,Batch)
2 VALUES ('Pranay J',18,7985414142,71112020125,2021);
3
4
5
6
7
8
```

The left sidebar shows the database structure for 'SQLite' with tables 'students' and 'teachers'. The 'students' table has columns: name VARCHAR(20), domain text, and department text. The right sidebar shows a 'History' panel with previous queries.

The screenshot shows the SQL Online IDE interface after executing the query. The main editor displays the result of the query, which is a table with 10 rows of student data. The table has columns: name, age, mobile_no, regitration_number, and Batch.

name	age	mobile_no	regitration_number	Batch
Gunasekhar C	20	8027517200	711119104154	2019
Dhanush N	19	9017517250	711120104451	2020
Neelavardhan C	19	79845185185	711120105154	2020
Danendraraj R	20	747571525	711119104374	2019
Sashank A	19	9848527545	711120201274	2020
Deepak Kumar R	20	9123785125	711119104024	2019
Hariprakash P	20	6517878751	711119104028	2019
shruthi b	18	7918711652	711120105182	2021
Haritha N	20	858515255	711119104291	2020
Pranay J	18	7985414142	71112020125	2021

The left sidebar shows the database structure for 'SQLite' with tables 'students' and 'teachers'. The right sidebar shows a 'History' panel with previous queries.

SQL OnLine IDE | WhatsApp | New Tab

https://sqliteonline.com

File | Owner DB | Run | Export | Import | SQLBanD for Business | Sign in

SQLite

Table

- students
- teachers

Column

- name VARCHAR(20)
- domain text
- department text

SQLite

```
1 INSERT INTO teachers ( name, domain, department)
2 VALUES ('Sandra S', 'AP', 'ECE');
3
```

History

Syntax | History

- SQLite
SELECT 'sql' FROM 'sqlite_master'
- SQLite.2
SELECT * FROM students
- SQLite.2
SELECT * FROM students
- SQLite.7
SELECT * FROM teachers

Windows Taskbar: 04:54 PM 14-03-2022

SQL OnLine IDE | WhatsApp | New Tab

https://sqliteonline.com

File | Owner DB | Run | Export | Import | SQLBanD for Business | Sign in

SQLite

Table

- students
- teachers

Column

- name VARCHAR(20)
- domain text
- department text

SQLite.4

```
1 SELECT * FROM teachers
```

name	domain	department
krishnapriya G	AP	CSE
Vivek K	AP	CSE
Sharth S	AP	CSE
Radhika K	AP	AI & DS
Velayudham	P	CSE
Moorthi T	P	AI & DS
Gowtham T	P	ECE
Eashwai R	AP	ECE
Elagovan S	P	EEE
Sandra S	AP	ECE

History

Syntax | History

- SQLite.4
SELECT * FROM teachers
- SQLite
SELECT 'sql' FROM 'sqlite_master'
- SQLite.2
SELECT * FROM students
- SQLite.2
SELECT * FROM students

Windows Taskbar: 04:54 PM 14-03-2022

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

The screenshot shows the SQL Online IDE interface. The query editor contains the following SQL query:

```
1 SELECT * FROM students WHERE batch=2020
```

The results table displays the following data:

name	age	mobile_no	regitration_number	Batch
Dhanush N	19	9017517250	711120104451	2020
Neelavardhan C	19	79845185185	711120105154	2020
Sashank A	19	9848527545	711120201274	2020
Haritha N	20	858515255	711119104291	2020

A red box highlights an error message in the right sidebar:

```
SQLite
* FROM students WHERE YEAR='2020'
Help: no such column: year
Table - [students] column: name, age, mobile_no, regitration_number, Batch
```

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

The screenshot shows the SQL Online IDE interface. The query editor contains the following SQL query:

```
1 SELECT * FROM teachers WHERE department='CSE'
```

The results table displays the following data:

name	domain	department
krishnapriya G	AP	CSE
Vivek K	AP	CSE
Sharith S	AP	CSE
Velayudham	P	CSE

A red box highlights an error message in the right sidebar:

```
SQLite
SELECT * FROM students WHERE YEAR
Help: no such column: year
Table - [students] column: name, age, mobile_no, regitration_number, Batch
```

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

The screenshot shows the SQL Online IDE interface. The left sidebar displays the database structure for 'SQLite', including a table named 'students' with columns: name (VARCHAR(20)), age (integer), mobile_no (integer), registration_num... (integer), and Batch (year). The main editor area contains the following SQL query:

```
1 UPDATE students SET mobile_no= 7475715250 WHERE registration_number=711119104374
```

The right sidebar shows the 'History' tab with a list of executed queries. The first query is highlighted with a red box:

```
SQLite  
UPDATE students SET mobile_no= 747
```

The bottom status bar indicates the time is 05:11 PM on 14-03-2022.

The screenshot shows the SQL Online IDE interface. The left sidebar displays the database structure for 'SQLite', including a table named 'students' with columns: name (VARCHAR(20)), age (integer), mobile_no (integer), registration_num... (integer), and Batch (year). The main editor area contains the following SQL query:

```
1 SELECT * FROM students
```

The right sidebar shows the 'History' tab with a list of executed queries. The first query is highlighted with a red box:

```
SQLite  
SELECT * FROM students
```

The bottom status bar indicates the time is 05:11 PM on 14-03-2022.

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

The screenshot shows the SQL Online IDE interface. The left sidebar lists databases: SQLite, MariaDB, PostgreSQL, MS SQL, Oracle, Docker, Syntax, and Business. The main editor area shows a query in the SQLite database: `DELETE FROM teachers WHERE name = 'krishnapriya G'`. The right sidebar shows the History panel with two entries for SQLite.11, both showing the same query. A red box highlights the second entry, which has a message: `Help: near ",": syntax error`. The bottom status bar shows the time as 05:13 PM on 14-03-2022.

The screenshot shows the SQL Online IDE interface after executing a query. The left sidebar is the same. The main editor area shows a query in the SQLite database: `DELETE FROM teachers WHERE name = 'Moorthi T'`. The right sidebar shows the History panel with three entries for SQLite.13, SQLite.11, and SQLite.11, all showing the same query. The bottom status bar shows the time as 05:13 PM on 14-03-2022.

name	domain	department
Vivek K	AP	CSE
Sharth S	AP	CSE
Radhika K	AP	AI & DS
Velayudham	P	CSE
Gowtham T	P	ECE
Eashwai R	AP	ECE
Elagovan S	P	EEE
Sandra S	AP	ECE