

DB-LAB-1

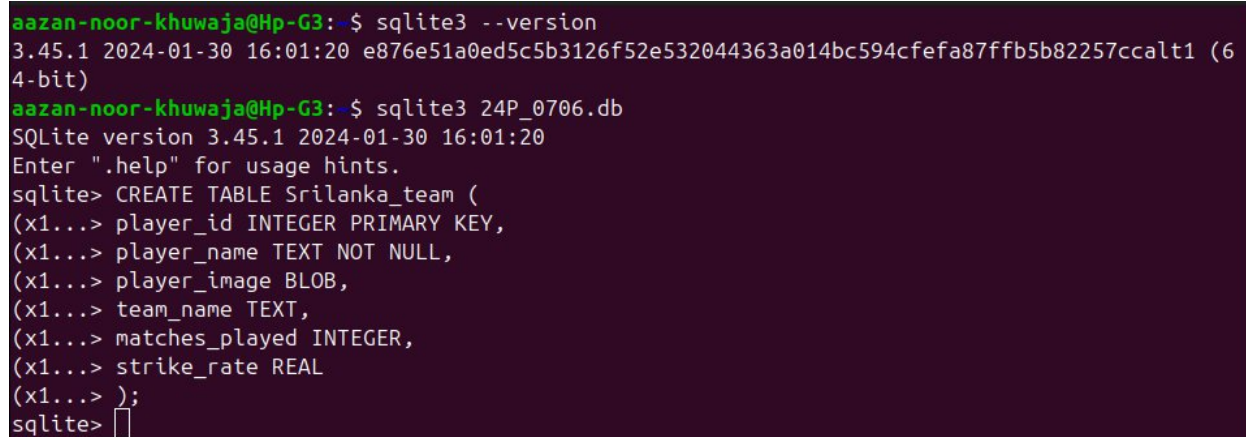
Roll No: 24P-0706
Name: Aazan Noor Khuwaja

Dept: BS-CS
Section: 4B

Downloaded sqlite3:
Sudo apt install sqlite3

Downloaded sqlitebrowser:
Sudo apt install sqlitebrowser

Terminal Execution

A terminal window with a dark purple background. The user 'aazan-noor-khuwaja@Hp-G3' runs the command 'sqlite3 --version', which outputs '3.45.1 2024-01-30 16:01:20 e876e51a0ed5c5b3126f52e532044363a014bc594cfefa87ffb5b82257ccalt1 (64-bit)'. Then, the user runs 'sqlite3 24P_0706.db', which outputs 'SQLite version 3.45.1 2024-01-30 16:01:20' and 'Enter ".help" for usage hints.'. The user then enters a series of SQL commands to create a table named 'Srilanka_team' with columns: 'player_id' (INTEGER PRIMARY KEY), 'player_name' (TEXT NOT NULL), 'player_image' (BLOB), 'team_name' (TEXT), 'matches_played' (INTEGER), and 'strike_rate' (REAL). The prompt 'sqlite>' is shown at the end of the commands.

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 --version
3.45.1 2024-01-30 16:01:20 e876e51a0ed5c5b3126f52e532044363a014bc594cfefa87ffb5b82257ccalt1 (64-bit)
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...> player_name TEXT NOT NULL,
(x1...> player_image BLOB,
(x1...> team_name TEXT,
(x1...> matches_played INTEGER,
(x1...> strike_rate REAL
(x1...> );
sqlite>
```

Figure 1 Created Table with Columns

Explanation:

Here as you can see the version of sqlite3,

Step1:

First i created database with my roll no: first command sqlite3 24P_0706.db

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> 
```

Step2:

Now I created cricket team table with name srilanka_team and then parenthesis starts.

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> 
```

Step3:

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...>
```

```

aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...> player_name TEXT NOT NULL,
(x1...>

```

```

aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
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```

```

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SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...> player_name TEXT NOT NULL,
(x1...> player_image BLOB,
(x1...> team_name TEXT,
(x1...>

```

```

aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...> player_name TEXT NOT NULL,
(x1...> player_image BLOB,
(x1...> team_name TEXT,
(x1...> matches_played INTEGER,
(x1...>

```

and then added columns with its integer type and then along added constraints where needed and after each column “ , “ must except last one.

Step4:

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...> player_name TEXT NOT NULL,
(x1...> player_image BLOB,
(x1...> team_name TEXT,
(x1...> matches_played INTEGER,
(x1...> strike_rate REAL
(x1...> );
```

then ended with ending parenthesis according to syntax.

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 --version
3.45.1 2024-01-30 16:01:20 e876e51a0ed5c5b3126f52e532044363a014bc594cfefa87ff5b82257ccalt1 (64-bit)
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db
SQLite version 3.45.1 2024-01-30 16:01:20
Enter ".help" for usage hints.
sqlite> CREATE TABLE Srilanka_team (
(x1...> player_id INTEGER PRIMARY KEY,
(x1...> player_name TEXT NOT NULL,
(x1...> player_image BLOB,
(x1...> team_name TEXT,
(x1...> matches_played INTEGER,
(x1...> strike_rate REAL
(x1...> );
sqlite> .schema
CREATE TABLE Srilanka_team (
  player_id INTEGER PRIMARY KEY,
  player_name TEXT NOT NULL,
  player_image BLOB,
  team_name TEXT,
  matches_played INTEGER,
  strike_rate REAL
);
sqlite> .tables
Srilanka_team
sqlite> .schema Srilanka_team
CREATE TABLE Srilanka_team (
  player_id INTEGER PRIMARY KEY,
  player_name TEXT NOT NULL,
  player_image BLOB,
  team_name TEXT,
  matches_played INTEGER,
  strike_rate REAL
);
sqlite>
```

```
aazan-noor-khuwaja@Hp-G3: ~  
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 --version  
3.45.1 2024-01-30 16:01:20 e876e51a0ed5c5b3126f52e532044363a014bc594cfefa87ffb5b82257ccalt1 (64-bit)  
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 24P_0706.db  
SQLite version 3.45.1 2024-01-30 16:01:20  
Enter ".help" for usage hints.  
sqlite> CREATE TABLE Srilanka_team (  
(x1...> player_id INTEGER PRIMARY KEY,  
(x1...> player_name TEXT NOT NULL,  
(x1...> player_image BLOB,  
(x1...> team_name TEXT,  
(x1...> matches_played INTEGER,  
(x1...> strike_rate REAL  
(x1...> );  
sqlite> .schema  
CREATE TABLE Srilanka_team (  
player_id INTEGER PRIMARY KEY,  
player_name TEXT NOT NULL,  
player_image BLOB,  
team_name TEXT,  
matches_played INTEGER,  
strike_rate REAL  
);  
sqlite> .tables  
Srilanka_team  
sqlite>
```

Figure 2 Used Schema to show the Structure of table

Showing On DB Browser GUI

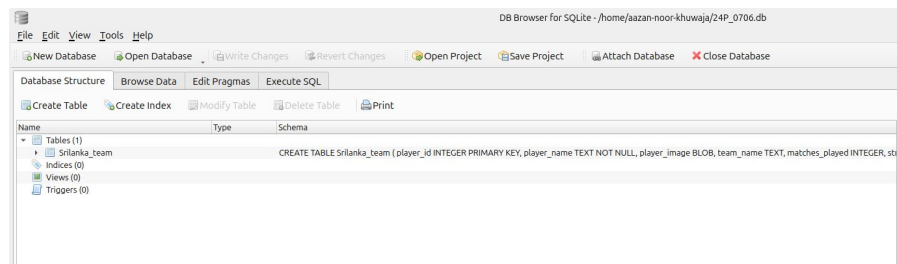


Figure 3 Interface of Srilankan team data base

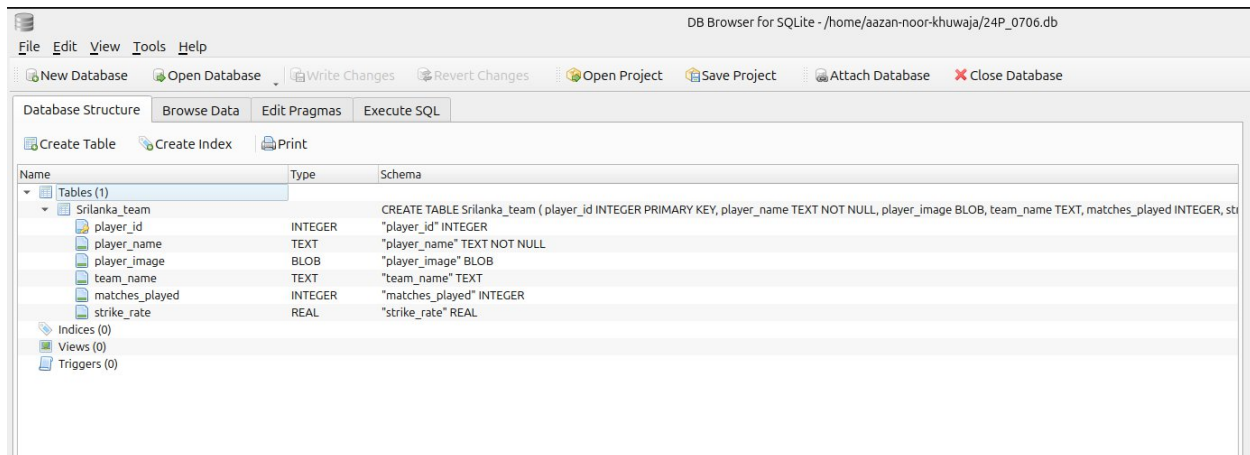


Figure 4 Columns which we created are there also

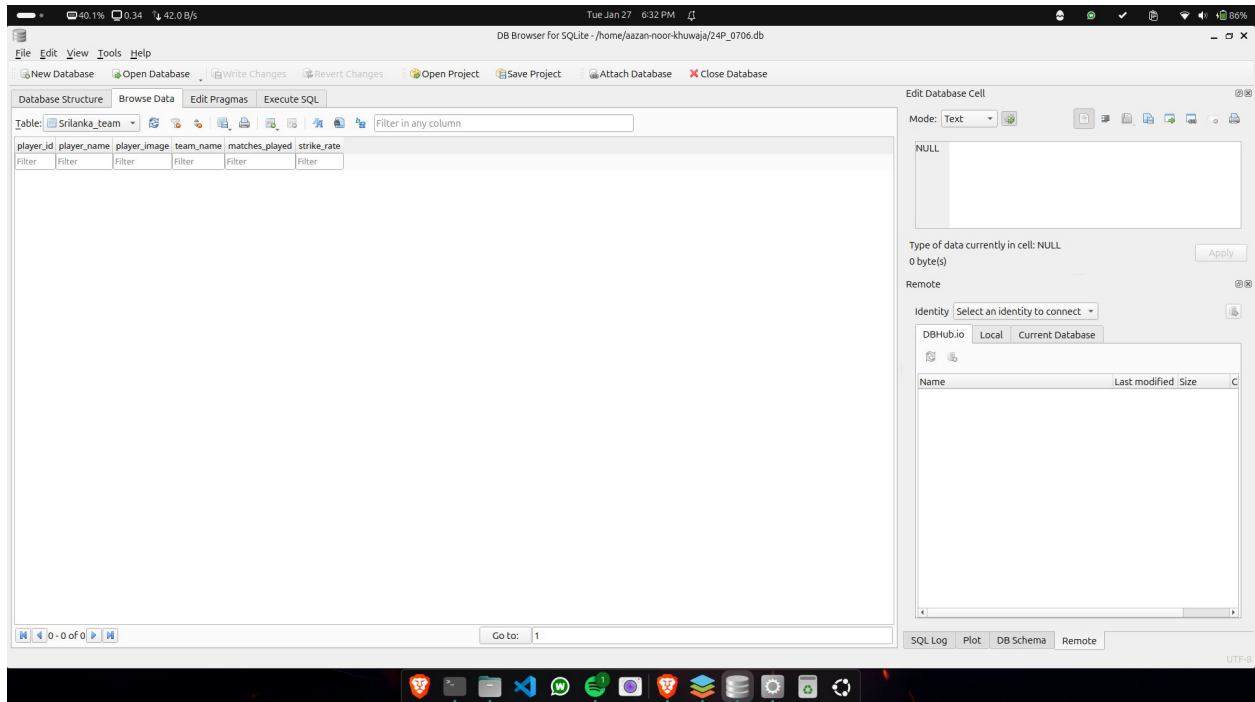


Figure 5 Final Data which we created in table form is this.