

DB-LAB-1

Roll No: 24P-0706

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Dept: BS-CS

Section: 4B

Downloaded sqlite3:

Sudo apt install **sqlite3**

Downloaded sqlitebrowser:

Sudo apt install **sqlitebrowser**

Terminal Execution

```
aazan-noor-khuwaja@Hp-G3:~$ sqlite3 --version
3.45.1 2024-01-30 16:01:20 e876e51a0ed5c5b3126f52e532044363a014bc594cfefa87ffb5b82257ccalt1 (6
4-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 (
    >     player_id INTEGER PRIMARY KEY,
    >     player_name TEXT NOT NULL,
    >     player_image BLOB,
    >     team_name TEXT,
    >     matches_played INTEGER,
    >     strike_rate REAL
    > );
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



```
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sqlite> 
```

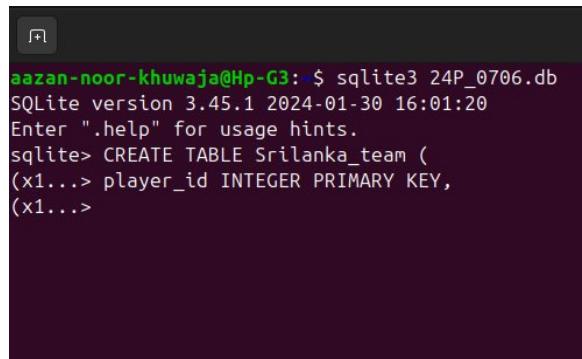
Step2:

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



```
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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...> 
```

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...> 
```

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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...> |
```

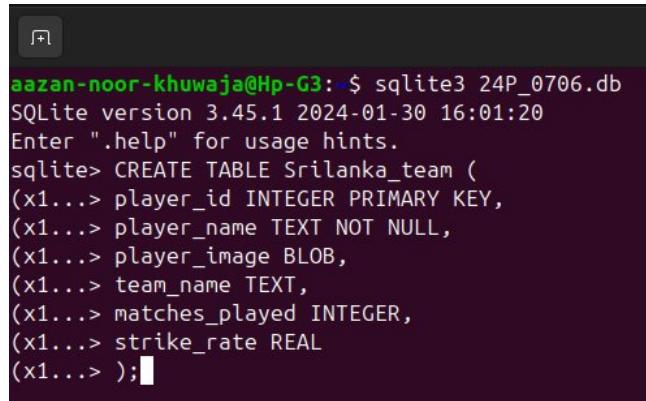
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```

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(x1...> player_image BLOB,
(x1...> team_name TEXT,
(x1...> matches_played INTEGER,
(x1...> |
```

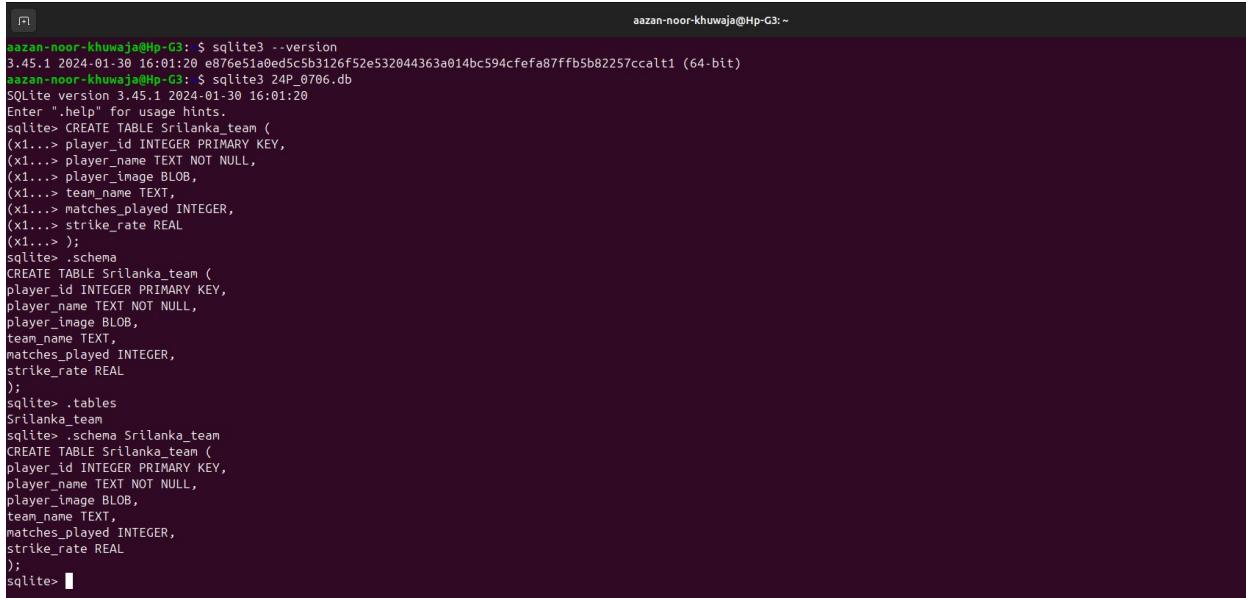
and then added columns with its integer type and then along added constraints where needed and after each column “ , “ must except last one.

Step4:



```
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(x1...> matches_played INTEGER,
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```

then ended with ending parenthesis according to syntax.



```
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SQLite version 3.45.1 2024-01-30 16:01:20
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(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,
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```

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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

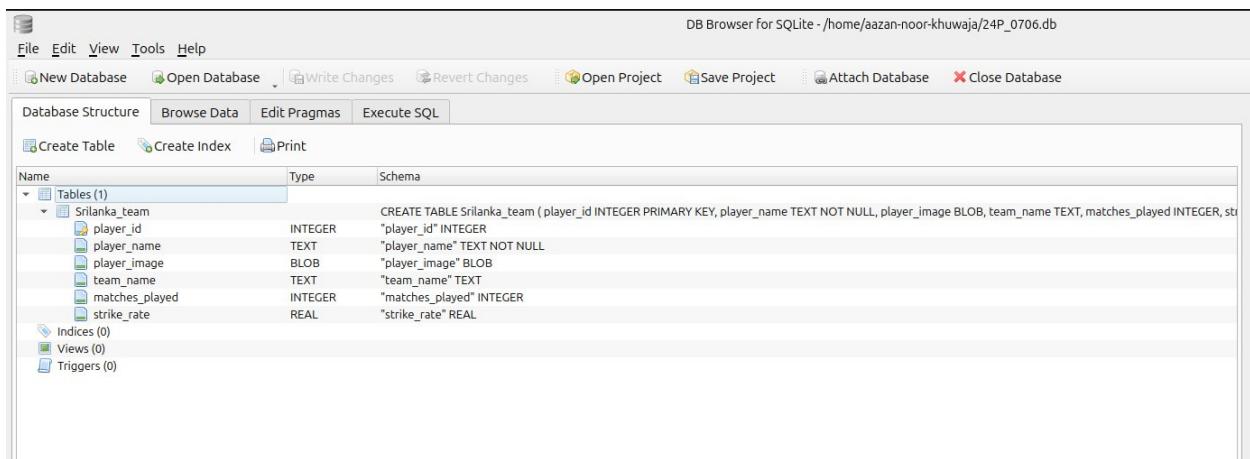


Figure 4 Columns which we created are there also

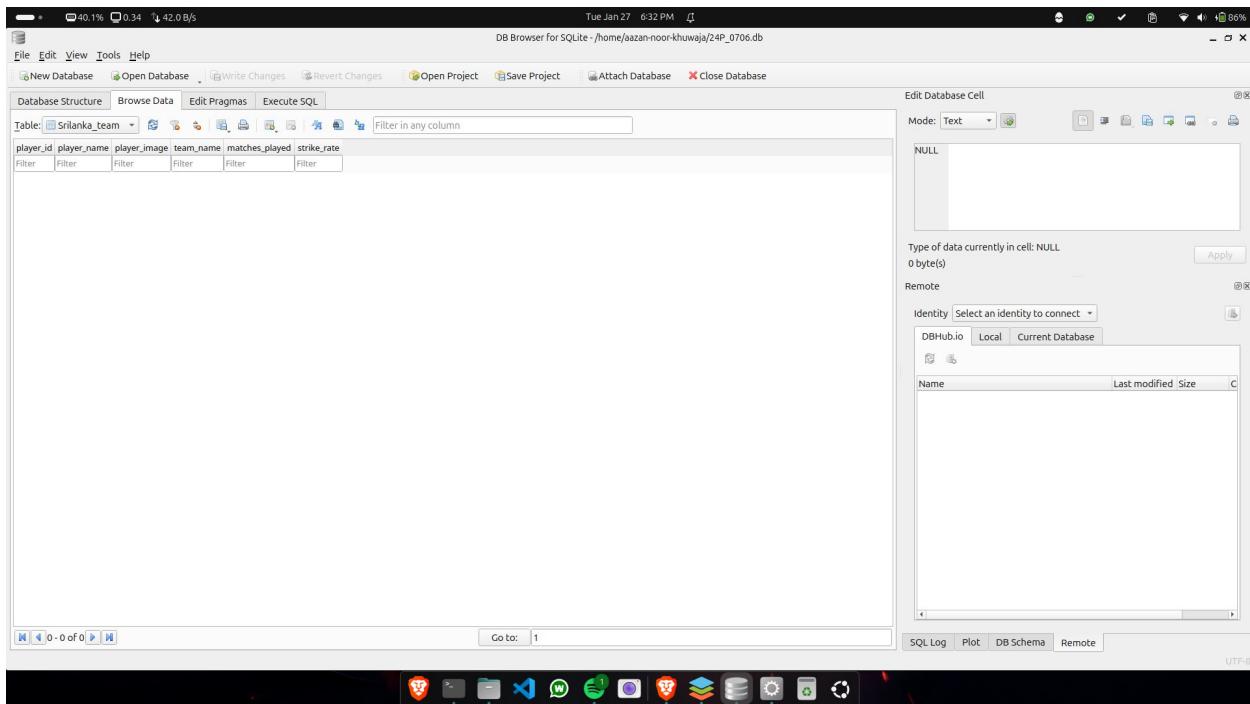


Figure 5 Final Data which we created in table form is this.