

About the project:-

To put it simply, it will contain a load of Bangladeshi cricket players along with their career statistics. It will also have many categories to divide the players based on their style. Same player can be on different records so that we can find out the relations between them. And, at the end, we will select the best 15 players for the Bangladesh National Cricket team by figuring out the records that we will store in our database. With the help of MySQL workbench and its query language I was able to manipulate and organize the records in order to do specific operations.

In the following project I have used 30+ operations in order to organize my data or records. I have created 8 tables at first, as I gone through the project I have created more tables to understand and make relations among the records of different tables.

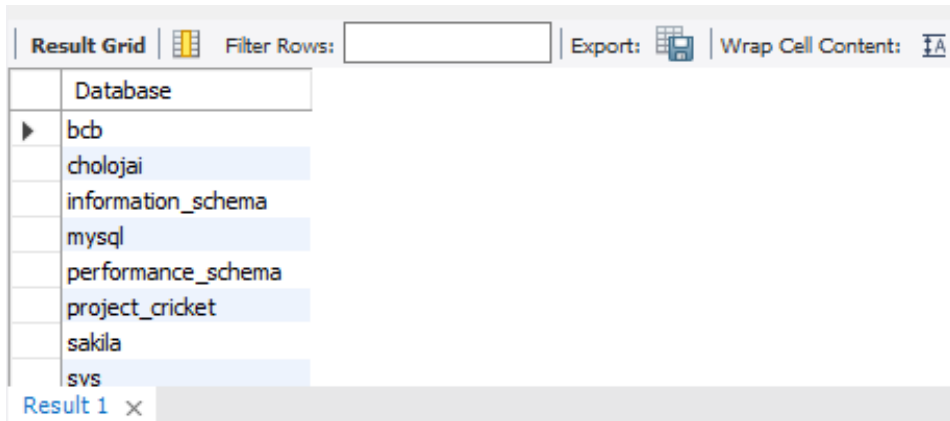
Let us see the operations that I have used in order to elaborate my project,

Operations:

- 1)Successfully installed MySql workbench and its components.
- 2)I wanted to know the existing databases that are pre-installed in the workbench,

Code:- Show databases;

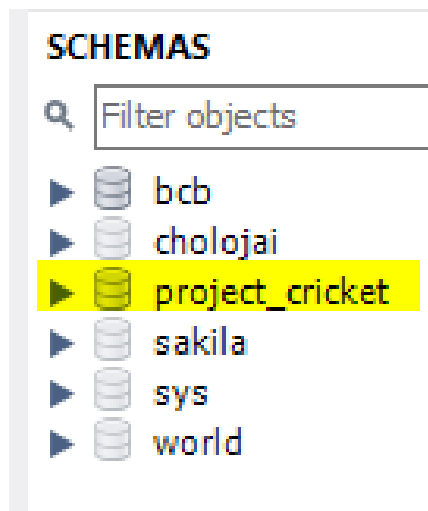
Output:-



- 3)Then, I created my selected database for the project to get started,

Code:- Create database project_Cricket;

Output:



4) In order to delete a database, the necessary code is,
Code:- Drop database databaseName;

5) I have created a table naming 'players',

Code:- CREATE TABLE players (
 `Jersey NO.` INT NOT NULL,
 `Name` VARCHAR(45) NOT NULL,
 `Player Type` VARCHAR(45) NULL,
 `Age` INT NULL,
 `State` VARCHAR(45) NULL,
 `Region` VARCHAR(45) NULL,
 `Rating` FLOAT NULL,
 PRIMARY KEY (`Jersey NO.`, `Name`);

6) I renamed the 'players' table to 'players_info',

Code:- Rename table players to players_info;

Output:



7) I have dropped the column 'State' from the players_info table,

Code:- ALTER TABLE players_info
DROP COLUMN `State`;

Output:



8) Inserted data into the players_info table,

Code:- INSERT INTO table_name
VALUES

(75, 'Shakib Al Hasan', 'All-rounder', 34, 'Magura', 8.0)

(18, 'Afif Hossain Dhrubo', 'Batting All-rounder', 31,
'Khulna', 6.5).....

20 more records

Output:

| | Jersey NO. | Name | Player Type | Age | Region | Rating |
|---|------------|-------------------------|---------------------|-----|-------------|--------|
| ▶ | 2 | Mashrafee Mortaza | Fast-medium Bowler | 37 | Narail | 6.75 |
| | 3 | Taskin Ahmed | Fast Bowler | 26 | Dhaka | 6.5 |
| | 7 | Mominul Haque | Batsman | 29 | Cox's Bazar | 8 |
| | 15 | Mushfiqur Rahim | Wk. Batsman | 32 | Rajshahi | 7 |
| | 16 | Liton Kumar Das | Wk. Batsman | 26 | Dinajpur | 6.5 |
| | 18 | Afif Hossain Dhrubo | Batting All-rounder | 21 | Khulna | 6.5 |
| | 23 | Mohammad Naim Sheikh | Batsman | 21 | Dhaka | 6.5 |
| | 26 | Nurul Hasan Sohan | Wk. Batsman | 27 | Khulna | 6.75 |
| | 28 | Tamim Iqbal | Batsman | 32 | Chattogram | 7.5 |
| | 29 | Shamim Hasan Patwari | Batting All-rounder | 20 | Chandpur | 7 |
| | 30 | Mahmudullah Riyad | Batting All-rounder | 33 | Mymensingh | 7 |
| | 32 | Mosaddek Hossain | Batting All-rounder | 25 | Mymensingh | 6.5 |
| | 34 | Rubel Hossain | Fast-medium Bowler | 31 | Khulna | 6.5 |
| | 47 | Mohammad Shoriful Islam | Fast bowler | 21 | Panchagor | 6.75 |
| | 52 | Mehidy Hasan | Balling All-rounder | 23 | Khulna | 6.75 |
| | 59 | Soumya Sarkar | Batsman | 28 | Satkhira | 6.5 |
| | 67 | Zubayer Hossan Likhon | Leg Spinner | 23 | Magura | 6.5 |
| | 69 | Anisur Rahman Tonu | All-rounder | 21 | Gazipur | 8 |
| | 72 | Mohammad Saifuddin | Balling All-rounder | 24 | Feni | 6.5 |
| | 75 | Shakib Al Hasan | All-rounder | 34 | Magura | 8 |
| | 77 | Aminul Islam Biplob | Leg Spinner | 22 | Rajshahi | 6.25 |
| | 90 | Mustafizur Rahman | Fast Bowler | 25 | Satkhira | 7.5 |

9) Showing the records:-

Code:- `Select * from players_info;`

Output:

| | Jersey NO. | Name | Player Type | Age | Region | Rating |
|---|------------|-------------------------|---------------------|-----|-------------|--------|
| ▶ | 2 | Mashrafee Mortaza | Fast-medium Bowler | 37 | Narail | 6.75 |
| | 3 | Taskin Ahmed | Fast Bowler | 26 | Dhaka | 6.5 |
| | 7 | Mominul Haque | Batsman | 29 | Cox's Bazar | 8 |
| | 15 | Mushfiqur Rahim | Wk. Batsman | 32 | Rajshahi | 7 |
| | 16 | Liton Kumar Das | Wk. Batsman | 26 | Dinajpur | 6.5 |
| | 18 | Aff Hossain Dhrubo | Batting All-rounder | 21 | Khulna | 6.5 |
| | 23 | Mohammad Naim Sheikh | Batsman | 21 | Dhaka | 6.5 |
| | 26 | Nurul Hasan Sohan | Wk. Batsman | 27 | Khulna | 6.75 |
| | 28 | Tamim Iqbal | Batsman | 32 | Chattogram | 7.5 |
| | 29 | Shamim Hasan Patwari | Batting All-rounder | 20 | Chandpur | 7 |
| | 30 | Mahmudullah Riyad | Batting All-rounder | 33 | Mymensingh | 7 |
| | 32 | Mosaddek Hossain | Batting All-rounder | 25 | Mymensingh | 6.5 |
| | 34 | Rubel Hossain | Fast-medium Bowler | 31 | Khulna | 6.5 |
| | 47 | Mohammad Shoriful Islam | Fast bowler | 21 | Panchagor | 6.75 |
| | 52 | Mehidy Hasan | Balling All-rounder | 23 | Khulna | 6.75 |
| | 59 | Soumya Sarkar | Batsman | 28 | Satkhira | 6.5 |
| | 67 | Zubayer Hossan Likhon | Leg Spinner | 23 | Magura | 6.5 |
| | 69 | Anisur Rahman Tonu | All-rounder | 21 | Gazipur | 8 |
| | 72 | Mohammad Saifuddin | Balling All-rounder | 24 | Feni | 6.5 |
| | 75 | Shakib Al Hasan | All-rounder | 34 | Magura | 8 |
| | 77 | Aminul Islam Biplob | Leg Spinner | 22 | Rajshahi | 6.25 |
| | 90 | Mustafizur Rahman | Fast Bowler | 25 | Satkhira | 7.5 |

10) Distinct column show:-

Code:-`select distinct Region from players_info;`

Output:

| Result Grid | Filter R |
|-------------|----------|
| Region | |
| Khulna | |
| Chattogram | |
| Chandpur | |
| Mymensingh | |
| Panchagor | |
| Satkhira | |
| Magura | |
| Gazipur | |
| Feni | |

players_info 2 x

11) Updating a selective column:-

Code:- UPDATE players_info`

SET `Region` = 'Mymensingh'

WHERE (`Jersey NO.` = '30') and

(`Name` = 'Mahmudullah Riyad');

Output:

Result Grid

Filter Rows:

Edit:

Export/Import:

| | Jersey NO. | Name | Player Type | Age | Region | Rating |
|--|------------|-------------------------|---------------------|-----|------------|--------|
| | 18 | Afif Hossain Dhrubo | Batting All-rounder | 21 | Khulna | 6.5 |
| | 23 | Mohammad Naim Sheikh | Batsman | 21 | Dhaka | 6.5 |
| | 26 | Nurul Hasan Sohan | Wk. Batsman | 27 | Khulna | 6.75 |
| | 28 | Tamim Iqbal | Batsman | 32 | Chattogram | 7.5 |
| | 29 | Shamim Hasan Patwari | Batting All-rounder | 20 | Chandpur | 7 |
| | 30 | Mahmudullah Riyad | Batting All-rounder | 33 | Mymensingh | 7 |
| | 32 | Mosaddek Hossain | Batting All-rounder | 25 | Mymensingh | 6.5 |
| | 34 | Rubel Hossain | Fast-medium Bowler | 31 | Khulna | 6.5 |
| | 47 | Mohammad Shoriful Islam | Fast bowler | 21 | Panchagor | 6.75 |
| | 52 | Mehidy Hasan | Batting All-rounder | 23 | Khulna | 6.75 |

12) Showing limited records:-

Code:- select * from players_info limit 5;

Output:

| Jersey NO. | Name | Player Type | Age | Region | Rating |
|------------|------------------|--------------------|------|-------------|--------|
| 2 | Mashrafe Mortaza | Fast-medium Bowler | 37 | Narail | 6.75 |
| 3 | Taskin Ahmed | Fast Bowler | 26 | Dhaka | 6.5 |
| 7 | Mominul Haque | Batsman | 29 | Cox's Bazar | 8 |
| 15 | Mushfiqur Rahim | Wk. Batsman | 32 | Rajshahi | 7 |
| 16 | Liton Kumar Das | Wk. Batsman | 26 | Dinajpur | 6.5 |
| NULL | NULL | NULL | NULL | NULL | NULL |

13) Order by asc, desc:-

Code:- select Name, Age from players_info order by Age;

Output:-

| Name | Age |
|-------------------------|-----|
| Shamim Hasan Patwari | 20 |
| Aff Hossain Dhrubo | 21 |
| Mohammad Naim Sheikh | 21 |
| Mohammad Shoriful Islam | 21 |
| Anisur Rahman Tonu | 21 |
| Aminul Islam Biplob | 22 |
| Mehidy Hasan | 23 |
| Zubayer Hossain Likhon | 23 |
| Mohammad Saifuddin | 24 |
| Mosaddek Hossain | 25 |
| Mustafizur Rahman | 25 |
| Taskin Ahmed | 26 |
| Liton Kumar Das | 26 |
| Nurul Hasan Sohan | 27 |
| Soumya Sarkar | 28 |
| Mominul Haque | 29 |

14) Where clause for selective records showing:-

Code:- select `Name`, `Player Type` from players_info
where `Player Type` = "Batsman";

Output:

| | Name | Player Type |
|---|----------------------|-------------|
| ▶ | Mominul Haque | Batsman |
| | Mohammad Naim Sheikh | Batsman |
| | Tamim Iqbal | Batsman |
| | Soumya Sarkar | Batsman |

15) Between clause for selective records showing:-

Code:- select `Name`, `Player Type`, Rating from players_info
where Rating between 7.00 and 8.00

Output:

| | Name | Player Type | Rating |
|---|----------------------|---------------------|--------|
| ▶ | Mominul Haque | Batsman | 8 |
| | Mushfiqur Rahim | Wk. Batsman | 7 |
| | Tamim Iqbal | Batsman | 7.5 |
| | Shamim Hasan Patwari | Batting All-rounder | 7 |
| | Mahmudullah Riyad | Batting All-rounder | 7 |
| | Anisur Rahman Tonu | All-rounder | 8 |
| | Shakib Al Hasan | All-rounder | 8 |
| | Mustafizur Rahman | Fast Bowler | 7.5 |

16) Or operation:-

Code:- select `Name`, `Player Type` from players_info
where `Player Type` = "Wk. Batsman" OR `Player Type` =
"Batsman"

Output:

| | Name | Player Type |
|---|----------------------|-------------|
| ▶ | Mominul Haque | Batsman |
| | Mushfiqur Rahim | Wk. Batsman |
| | Liton Kumar Das | Wk. Batsman |
| | Mohammad Naim Sheikh | Batsman |
| | Nurul Hasan Sohan | Wk. Batsman |
| | Tamim Iqbal | Batsman |
| | Soumya Sarkar | Batsman |

17) And operation:-

Code-> select `Name`, Rating from players_info
where (`Player Type`= "Wk. Batsman" OR `Player Type`=
"Batsman") and (Rating>=7.00)

Output:

| | Name | Rating |
|---|-----------------|--------|
| ▶ | Mominul Haque | 8 |
| | Mushfiqur Rahim | 7 |
| | Tamim Iqbal | 7.5 |

18) In operations:-

Code->select `Name`, `Player Type` from players_info
where `Player Type` in ("Batsman", "Wk. Batsman")

Output:

| | Name | Player Type |
|---|----------------------|-------------|
| ▶ | Mominul Haque | Batsman |
| | Mushfiqur Rahim | Wk. Batsman |
| | Liton Kumar Das | Wk. Batsman |
| | Mohammad Naim Sheikh | Batsman |
| | Nurul Hasan Sohan | Wk. Batsman |
| | Tamim Iqbal | Batsman |
| | Soumya Sarkar | Batsman |

19) Like operaion:-

Code->select* from players_info
where Name like "%aI%"

Output:

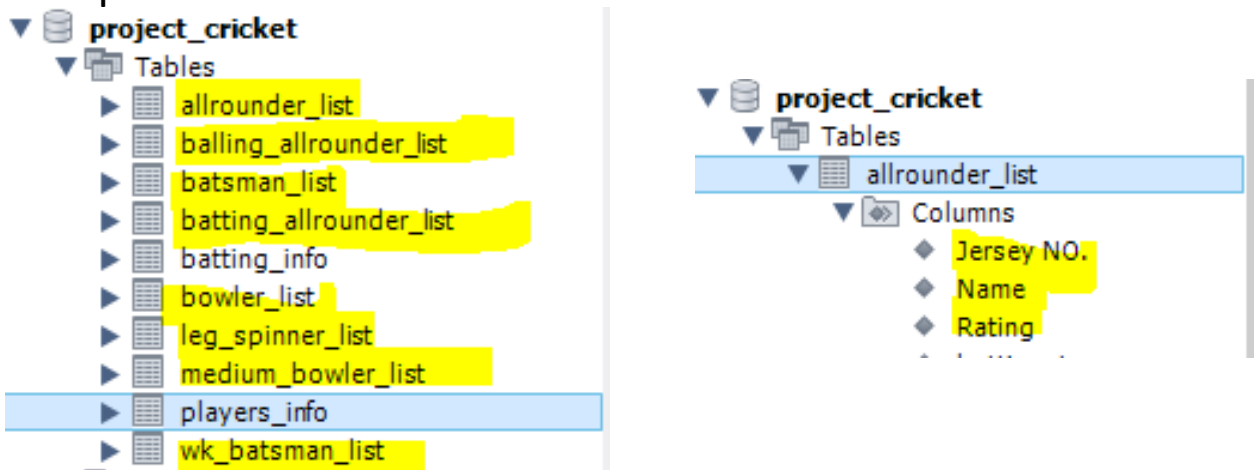
| | Jersey NO. | Name | Player Type | Age | Region | Rating |
|---|------------|-----------------|-------------|------|------------|--------|
| ▶ | 28 | Tamim Iqbal | Batsman | 32 | Chattogram | 7.5 |
| | 75 | Shakib Al Hasan | All-rounder | 34 | Magura | 8 |
| * | NULL | NULL | NULL | NULL | NULL | NULL |

20) Creating table from another table with data:-

```
Code-> create table batsman_list as
       select `Jersey NO.`, Name, Rating
       from players_info
       where `Player Type`="Batsman"
```

** In the same way I have created more 7 tables and I have inherited the same three columns from the table players_info **

Output:



21) Copying one data from one table to nother:-

```
Code-> insert into medium_bowler_list
       select `Jersey NO.`, Name, Rating
       from players_info
       where `Jersey NO.` = 34;
```

Output:

| | Jersey NO. | Name | Rating |
|---|------------|-------------------|--------|
| ▶ | 2 | Mashrafee Mortaza | 6.75 |
| | 34 | Rubel Hossain | 6.5 |
| ✱ | NULL | NULL | NULL |

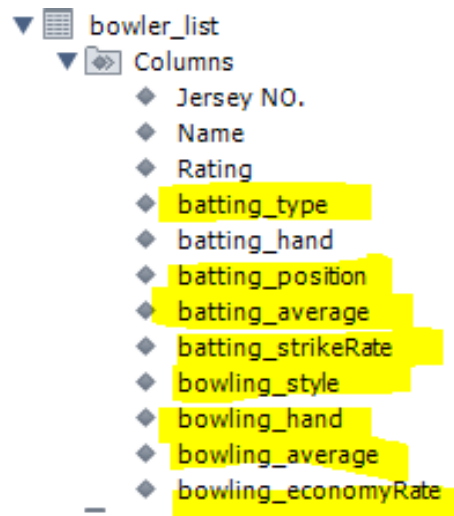
22) Adding a column:-

Code-> alter table bowler_list

```
add (batting_type varchar(45) not null,  
batting_position varchar(45) not null,  
batting_average float not null,  
batting_strikeRate float not null,  
bowling_style varchar(45) not null,  
bowling_average float not null,  
bowling_economyRate float not null)
```

** in the same way I have added columns into the other recently created tables besides players_info **

Output:

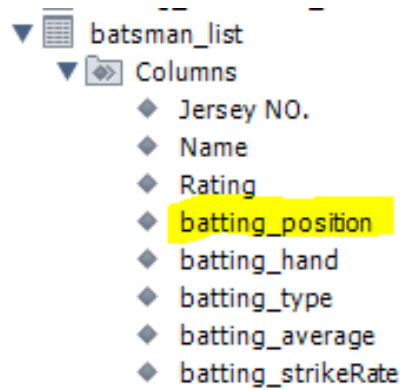


23) Changin a column name:-

Code-> ALTER TABLE `project_cricket`.`batsman_list`

```
CHANGE COLUMN `batting_psoition` `batting_position`  
VARCHAR(30) NOT NULL ;
```

Output:



24) Updating or setting the values of newly added columns:-

Code-> update batsman_list

```
set batting_position = "Middle Order", batting_type =  
"Defensive", batting_average = 44.50, batting_strikeRate =  
87.65
```

```
where `Name` = "Mominul Haque"
```

** In the same way I have updated the values of newly added columns of other tables **

Output:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ▶ | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 44.5 | 87.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 29.5 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 29.5 | 98.65 |

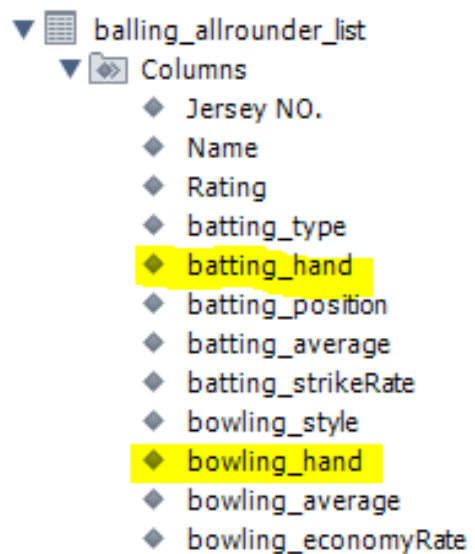
25) Adding column in between columns:-

Code-> ALTER TABLE balling_allrounder_list

```
ADD COLUMN `batting_hand` VARCHAR(45) NULL AFTER  
`batting_type`,
```

```
ADD COLUMN `bowling_hand` VARCHAR(45) NULL AFTER  
`bowling_style`;
```

Output:



The screenshot shows the table structure for 'balling_allrounder_list'. The columns are listed in a tree view under 'Columns'. The columns are: Jersey NO., Name, Rating, batting_type, batting_hand, batting_position, batting_average, batting_strikeRate, bowling_style, bowling_hand, bowling_average, and bowling_economyRate. The columns 'batting_hand' and 'bowling_hand' are highlighted in yellow.

| | |
|---|-------------------------|
| ▼ | balling_allrounder_list |
| ▼ | Columns |
| ◆ | Jersey NO. |
| ◆ | Name |
| ◆ | Rating |
| ◆ | batting_type |
| ◆ | batting_hand |
| ◆ | batting_position |
| ◆ | batting_average |
| ◆ | batting_strikeRate |
| ◆ | bowling_style |
| ◆ | bowling_hand |
| ◆ | bowling_average |
| ◆ | bowling_economyRate |

26) Concat Function:-

Code-> `select concat(Name, " is ", batting_hand, " hand batsman") as batsman_kind
from batsman_list`

Output:

| | batsman_kind |
|---|---|
| ▶ | Mominul Haque is Left hand batsman |
| | Mohammad Naim Sheikh is Left hand batsman |
| | Tamim Iqbal is Left hand batsman |
| | Soumya Sarkar is Left hand batsman |

27) Average Functions:-

Code-> `select avg(batting_average) as batting_average_bdbatsman
from batsman_list;`

Output:

| | batting_average_bdbatsman |
|---|---------------------------|
| ▶ | 35.75 |

28) Count function:-

Code-> `select count(*) as total_players
from players_info`

Output:

| | total_players |
|---|---------------|
| ▶ | 22 |

29) Max function:-

Code-> `select max(Rating) as highest Rated
from players_info`

Output:

| | highest Rated |
|---|---------------|
| ▶ | 8 |

30) Sql query:-

```
Code-> select Name, Age, Region, max(Rating)
       from players_info
       where `Player Type` = 'Batsman'
```

Output:

| | Name | Age | Region | max(Rating) |
|---|---------------|-----|-------------|-------------|
| ▶ | Mominul Haque | 29 | Cox's Bazar | 8 |

31) Sub query:-

```
Code-> select * from batsman_list
       where batting_average > (select avg(batting_average) from
                                batsman_list)
```

**** We can do other type of searching or queries like this ****

Output:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|---------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ▶ | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 44.5 | 87.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggressive | 39.5 | 97.65 |

32) Group by clause:-

```
Code-> select `Player Type`, truncate(avg(Rating), 3)
       from players_info
       group by `Player Type`
       order by avg(Rating) desc
```

Output:

| | Player Type | truncate(avg(Rating), 3) |
|---|---------------------|--------------------------|
| ▶ | All-rounder | 8 |
| | Batsman | 7.125 |
| | Fast Bowler | 6.916 |
| | Wk. Batsman | 6.75 |
| | Batting All-rounder | 6.75 |
| | Fast-medium Bowler | 6.625 |
| | Balling All-rounder | 6.625 |
| | Leg Spinner | 6.375 |

33) Normal join:-

Code-> select players_info.`Jersey NO.`, players_info.Name, batting_type, batting_hand, batting_average, batting_strikeRate from players_info, batting_allrounder_list

Where

players_info.`JerseyNO.`=batting_allrounder_list.`JerseyNO.`

Output:

| | Jersey NO. | Name | batting_type | batting_hand | batting_average | batting_strikeRate |
|---|------------|----------------------|--------------|--------------|-----------------|--------------------|
| ▶ | 18 | Afif Hossain Dhrubo | Aggressive | Left | 28.64 | 96.3 |
| | 29 | Shamim Hasan Patwari | Aggressive | Left | 30.65 | 201.35 |
| | 30 | Mahmudullah Riyad | Balanced | Right | 31.26 | 95.58 |
| | 32 | Mosaddek Hossain | Moderate | Right | 29.45 | 94.25 |

34) Join clause:-

Code-> select pi.`Jersey NO.`, pi.Name, pi.Region batting_type, batting_average, batting_strikeRate from players_info as pi join batting_allrounder_list as bata on pi.`Jersey NO.` = bata.`Jersey NO.`

Output:

| | Jersey NO. | Name | Region | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|------------|--------------|-----------------|--------------------|
| ▶ | 18 | Afif Hossain Dhrubo | Khulna | Aggressive | 28.64 | 96.3 |
| | 29 | Shamim Hasan Patwari | Chandpur | Aggressive | 30.65 | 201.35 |
| | 30 | Mahmudullah Riyad | Mymensingh | Balanced | 31.26 | 95.58 |
| | 32 | Mosaddek Hossain | Mymensingh | Moderate | 29.45 | 94.25 |

35) Union with Join:-

```
->select players_info.`Jersey NO.`,players_info.Name,  
batting_type,batting_hand, batting_average, batting_strikeRate  
from players_info, allrounder_list  
where players_info.`Jersey NO.` = allrounder_list.`Jersey NO.`  
union  
select players_info.`Jersey NO.`,players_info.Name,  
batting_type,batting_hand, batting_average, batting_strikeRate  
from players_info, balling_allrounder_list  
where players_info.`Jersey NO.` = balling_allrounder_list.`Jersey  
NO.`  
order by `Jersey NO.`
```

Output:

| | Jersey NO. | Name | batting_type | batting_hand | batting_average | batting_strikeRate |
|---|------------|----------------|--------------|--------------|-----------------|--------------------|
| ► | 52 | Mehidy Hasan | Defensive | Right | 25.96 | 86.29 |
| | 69 | Anisur Rah... | Moderate | Left | 42.98 | 98.25 |
| | 72 | Mohammad... | Aggressive | Left | 26.78 | 90.08 |
| | 75 | Shakib Al H... | Balance | Left | 41.28 | 97.68 |

36) Showing the selected column values over all the table:-

```
Code->select players_info.`Jersey NO.`,players_info.Name,
batting_type,batting_hand, batting_average, batting_strikeRate
from players_info, allrounder_list
where players_info.`Jersey NO.` = allrounder_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, balling_allrounder_list
where players_info.`Jersey NO.` = balling_allrounder_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, batsman_list
where players_info.`Jersey NO.` = batsman_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, batting_allrounder_list
where players_info.`Jersey NO.` = batting_allrounder_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, bowler_list
where players_info.`Jersey NO.` = bowler_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, leg_spinner_list
where players_info.`Jersey NO.` = leg_spinner_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, medium_bowler_list
where players_info.`Jersey NO.` = medium_bowler_list.`Jersey NO.`
union
select players_info.`Jersey NO.`,players_info.Name, batting_type,batting_hand,
batting_average, batting_strikeRate
from players_info, wk_batsman_list
where players_info.`Jersey NO.` = wk_batsman_list.`Jersey NO.`
order by `Jersey NO.`
```


Output:

| Result Grid | | Filter Rows: | | Export: | Wrap Cell Content: | |
|-------------|------------|----------------|--------------|--------------|--------------------|--------------------|
| | Jersey NO. | Name | batting_type | batting_hand | batting_average | batting_strikeRate |
| ▶ | 2 | Mashrafee ... | Aggressive | Right | 19.58 | 93.25 |
| | 3 | Taskin Ahmed | Defensive | Left | 12.25 | 74.25 |
| | 7 | Mominul Ha... | Defensive | Left | 44.5 | 87.65 |
| | 15 | Mushfiquir ... | Balance | Right | 38.58 | 96.85 |
| | 16 | Liton Kuma... | Aggressive | Right | 28.59 | 98.35 |
| | 18 | Afif Hossai... | Aggressive | Left | 28.64 | 96.3 |
| | 23 | Mohammad... | Moderate | Left | 29.5 | 95.65 |
| | 26 | Nurul Hasa... | Aggressive | Right | 29.69 | 99.28 |
| | 28 | Tamim Iqbal | Aggressive | Left | 39.5 | 97.65 |
| | 29 | Shamim Ha... | Aggressive | Left | 30.65 | 201.35 |
| | 30 | Mahmudull... | Balanced | Right | 31.26 | 95.58 |
| | 32 | Mosaddek ... | Moderate | Right | 29.45 | 94.25 |
| | 34 | Rubel Hossain | Defensive | Right | 15.65 | 68.58 |
| | 47 | Mohammad... | Defensive | Right | 5.68 | 65.32 |
| | 52 | Mehidy Hasan | Defensive | Right | 25.96 | 86.29 |
| | 59 | Soumya Sa... | Aggressive | Left | 29.5 | 98.65 |
| | 67 | Zubayer H... | Moderate | Right | 12.15 | 55.36 |
| | 69 | Anisur Rah... | Moderate | Left | 42.98 | 98.25 |
| | 72 | Mohammad... | Aggressive | Left | 26.78 | 90.08 |
| | 75 | Shakib Al H... | Balance | Left | 41.28 | 97.68 |
| | 77 | Aminul Isla... | Balanced | Right | 21.02 | 85.36 |
| | 90 | Mustafizur ... | Defensive | Left | 15.63 | 83.25 |

37) Transaction:

Code-> Start transaction;

update batsman_list set batting_average = 35.25
where `Jersey NO.` = 23;

Ouput:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ▶ | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 44.5 | 87.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 35.25 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 29.5 | 98.65 |

Code-> rollback;

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ▶ | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 44.5 | 87.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 31.25 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 29.5 | 98.65 |

38)Transaction with savepoint:

Code-> Start transaction;

update batsman_list set batting_average = 41.25 where
`Jersey NO.` = 7;update batsman_list set batting_average
= 39.25

where `Jersey NO.` = 59;

savepoint sv1;

Output:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ▶ | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 41.25 | 87.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 31.25 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 39.25 | 98.65 |

Code-> update batsman_list

set batting_strikeRate = batting_strikeRate + 10.0 where
`Jersey NO` = 7 and `Jersey NO` = 59;

Ouput:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ► | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 41.25 | 97.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 31.25 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 39.25 | 108.65 |

Code-> rollback to sv1;

Output:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ► | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 41.25 | 87.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 31.25 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 39.25 | 98.65 |

Code-> update batsman_list

set batting_average = 45.25 where `Jersey NO.` = 7;
update batsman_list set batting_average = 29.25
where `Jersey NO.` = 59;
commit;

Output:

| | Jersey NO. | Name | Rating | batting_position | batting_hand | batting_type | batting_average | batting_strikeRate |
|---|------------|----------------------|--------|------------------|--------------|--------------|-----------------|--------------------|
| ► | 7 | Mominul Haque | 8 | Middle Order | Left | Defensive | 45.25 | 87.65 |
| | 23 | Mohammad Naim Sheikh | 6.5 | Opener | Left | Moderate | 31.25 | 95.65 |
| | 28 | Tamim Iqbal | 7.5 | Opener | Left | Aggresive | 39.5 | 97.65 |
| | 59 | Soumya Sarkar | 6.5 | Opener | Left | Aggreseive | 29.25 | 98.65 |