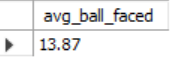
# T201 2022 World Cup Data Analysis

**SQL Queries**

**Task 1- Average ball faced by batsman**

* SELECT ROUND(AVG(balls), 2) avg\_ball\_faced FROM fact\_bating\_summary;

Output-



**Task 2- Batting average**

* SELECT ROUND(AVG(runs), 2) avg\_bating\_runs FROM fact\_bating\_summary

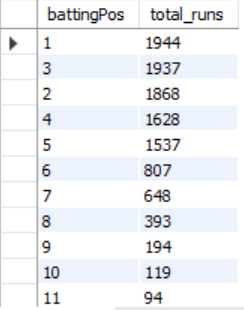
Output-



**Task 3- Total runs by batting position.**

* SELECT DISTINCT battingPos, SUM(runs) AS 'total\_runs' FROM fact\_bating\_summary
* GROUP BY battingPos
* ORDER BY total\_runs DESC;

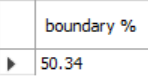
Output-



**Task 4- How many % of runs scored in boundary?**

* Alter TABLE fact\_bating\_summary 🡪 **added a new columns called 'runs\_by\_boundary'**
* ADD runs\_by\_boundary INT;
* UPDATE fact\_bating\_summary 🡪 **fill data sum of columns 4s(1 four = 4runs) and 6s(1 six = 6 runs) in runs\_by\_boundary**
* SET runs\_by\_boundary = 4s \* 4 + 6s \* 6;
* SELECT ROUND((SUM(runs\_by\_boundary) / SUM(runs)) \* 100, 2) as 'boundary %' FROM fact\_bating\_summary;

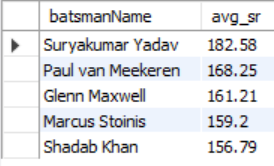
Output-



**Task 5- Top 5 batsman average strike rate who played more than 20 balls ?**

* SELECT DISTINCT batsmanName, ROUND(AVG(SR), 2) as 'avg\_sr'
* FROM fact\_bating\_summary
* GROUP BY batsmanName
* HAVING SUM(balls) > 20
* ORDER BY avg\_sr DESC LIMIT 5;

Output-



Task 6- Total ball faced

* SELECT SUM(balls) total\_ball\_faced FROM fact\_bating\_summary;

Output-



Task 7- Batting average

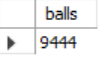
* SELECT ROUND(SUM(balls) / COUNT(match\_id), 2) batting\_average FROM fact\_bating\_summary;

Output-



Task 8- Total ball bowled.

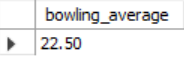
* SELECT SUM(overs \* 6) as balls from fact\_bowling\_summary;

Output- 

Task 9- Bowling average.

* SELECT ROUND(SUM(runs) / SUM(wickets), 2) AS 'bowling\_average' FROM fact\_bowling\_summary;

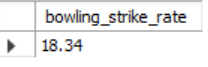
Output-



Task 10- Bowling strike rate.

* SELECT ROUND(SUM(overs \* 6) / SUM(wickets), 2) AS 'bowling\_strike\_rate' FROM fact\_bowling\_summary;

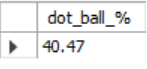
Output-



Task 11- Dot ball %.

* alter table fact\_bowling\_summary -> **created new column balls add data from overs multiply by 6**
* add balls int;
* update fact\_bowling\_summary
* set balls = overs \* 6;
* SELECT ROUND((SUM(0s) / SUM(balls)) \* 100, 2) as "dot\_ball\_%" FROM fact\_bowling\_summary

Output-



Task 12- Economy

* SELECT ROUND((SUM(runs) / SUM(balls)) \* 6, 2) as "economy" FROM fact\_bowling\_summary;

Output-

