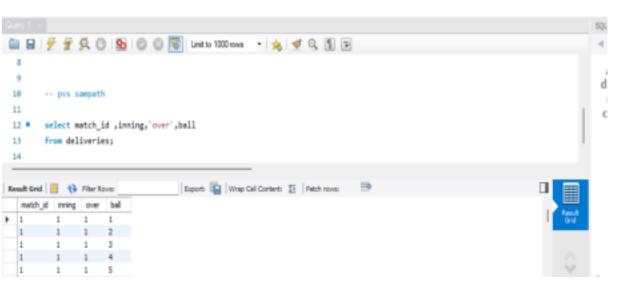
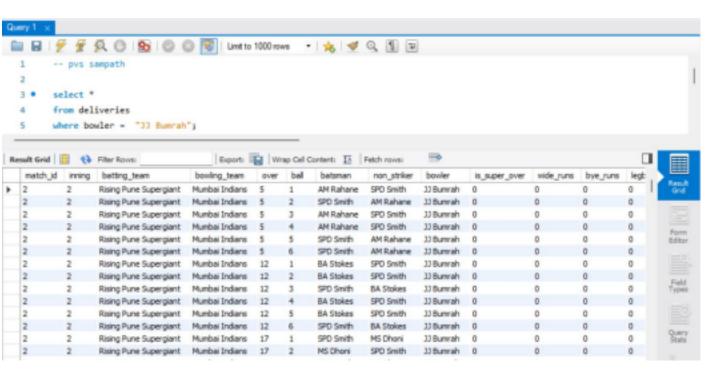
## IPL Match Data Analysis using SQL

## By Pvs sampath

1.Write a query to list all deliveries with their match\_id, inning, over, and ball.

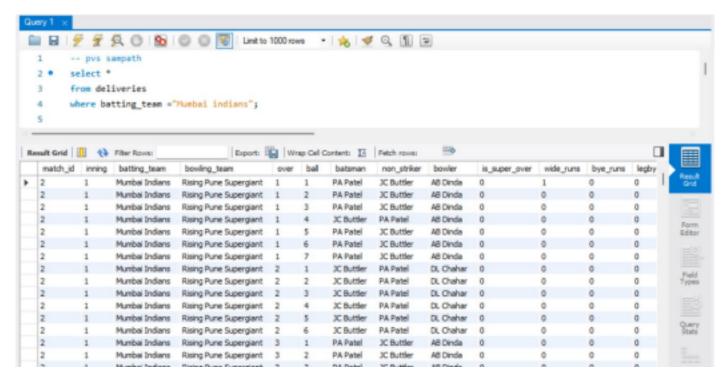


**2.**Write a query to display all columns for deliveries bowled by a specific bowler, JJ Bumrah.

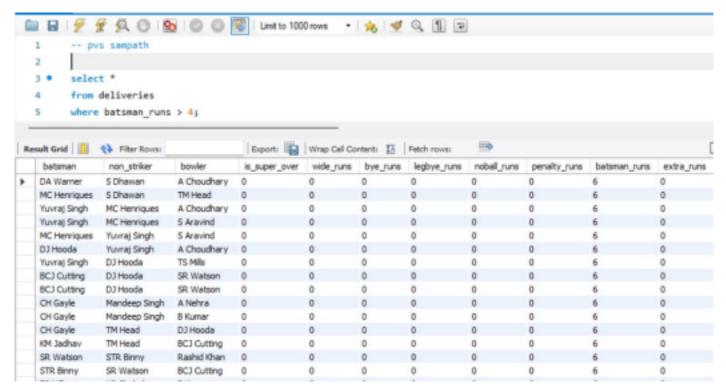


3. Write a query to list deliveries where the batting\_team is

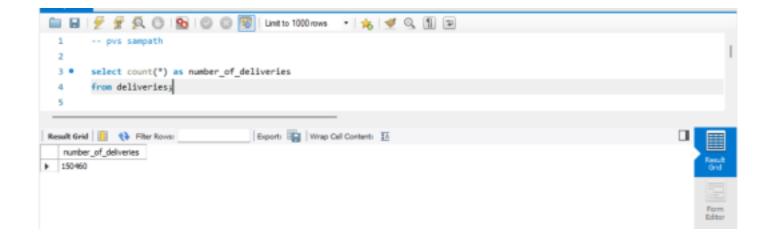
Mumbai Indians.



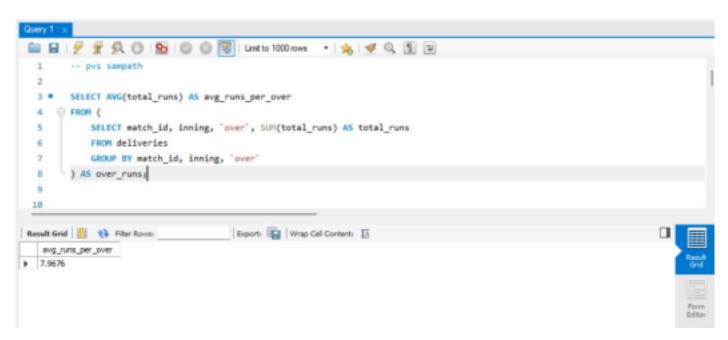
**4.**Write a query to find all deliveries where the batsman scored more than 4 runs off a single ball.



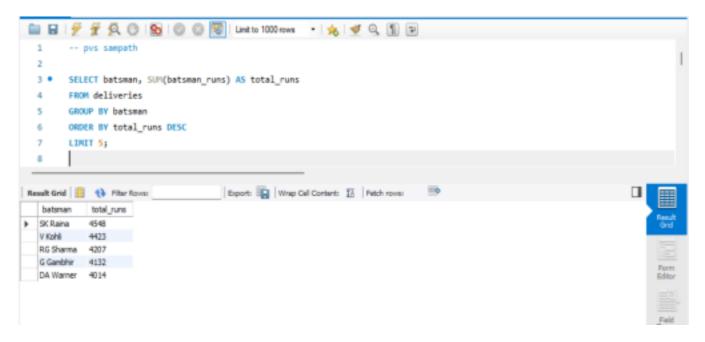
**5.**Write a query to count the total number of deliveries in the dataset.



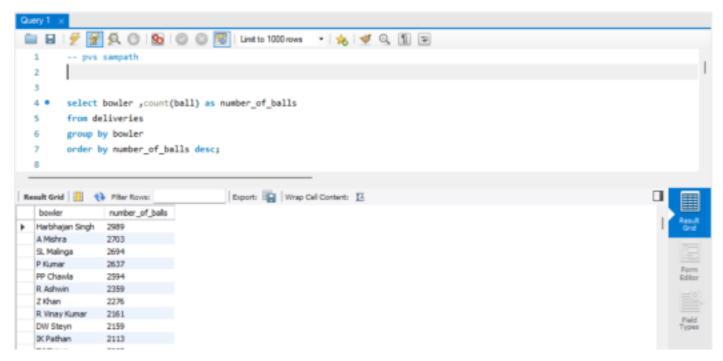
**6.**Write a query to find the average number of runs scored per over



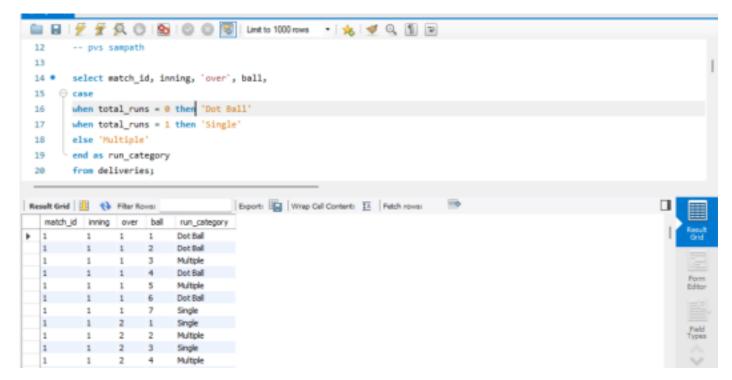
**7.**Write a query to list the top 5 batsmen with the highest total runs scored



- **8.**Write a query to list all pairs of bowlers who bowled in the same match. Include columns for match\_id, bowler1, and bowler2.
- **9.**Write a query to find the total number of deliveries bowled by each bowler. Display bowler and the count of deliveries.

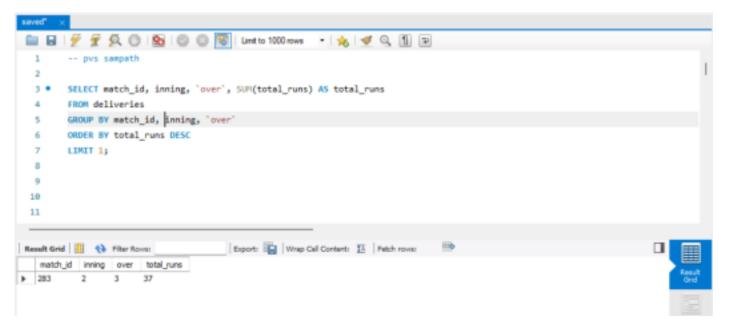


10. Write a query using a CASE statement to categorize deliveries into three categories based on runs scored: Dot Ball for 0 runs, Single for 1 run, and Multiple for more than 1 run.

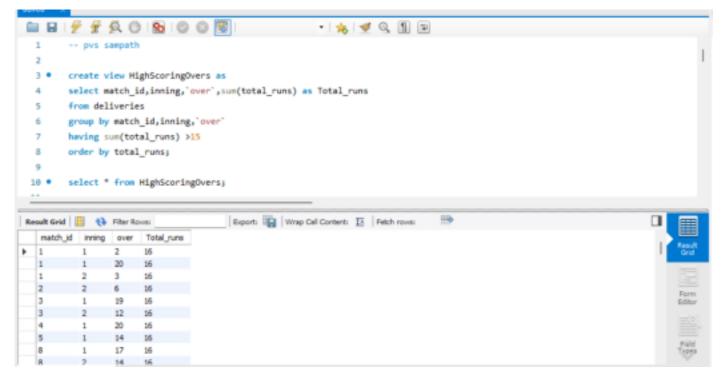


**11.** Write a query to add a new column is\_boundary to the deliveries table that indicates if the delivery resulted in a boundary (4 or 6 runs).

**12.** Write a query using an advanced function to find the over with the highest total runs scored.



**13.** Create a view named HighScoringOvers that includes overs where the total runs scored are more than 15



- **14.** Write a query using a window function to rank deliveries based on their total\_runs within each match\_id.
- **15.** Write a query to calculate the cumulative count of runs scored in each match sorted by over.

<ul> <li>16. Write a stored procedure to update the runs scored on a delivery given its match_id, inning, over, ball, and new runs.</li> <li>17. Write a query to find the bowler with the highest average runs conceded per over. Use subqueries and aggregate functions to achieve this.</li> </ul>
<b>18.</b> Write a query to find pairs of deliveries in the same over where one delivery resulted in more runs than the other. Display columns for match_id, inning, over, ball1, runs1, ball2, and runs2.

