

Building a Leaderboard

A leaderboard converts stored results into a ranked, understandable output.

```
SELECT team_name,  
       SUM(wins) AS wins,  
       SUM(losses) AS losses,  
       SUM(wins) * 3 AS points  
FROM team_results  
GROUP BY team_name  
ORDER BY points DESC, wins DESC, team_name ASC;
```

The points rule is an example only. Use the rule justified by the chosen context.

Display the ranking

Iterate through the query result and create a table with rank, team, wins, losses and points. Increment rank inside the loop. Escape text and cast numbers.

Explain tie behaviour. A deterministic secondary sort prevents ranks from changing unpredictably.

Test

Use a small dataset where you can calculate the result manually. Include a tie, zero values and an empty dataset.

Check

- ☐ Ranking rule is stated.
 - ☐ SQL aggregation matches the rule.
 - ☐ Ties are handled predictably.
 - ☐ Headers and a visible caption explain the table.
 - ☐ Manual expected results match actual output.
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