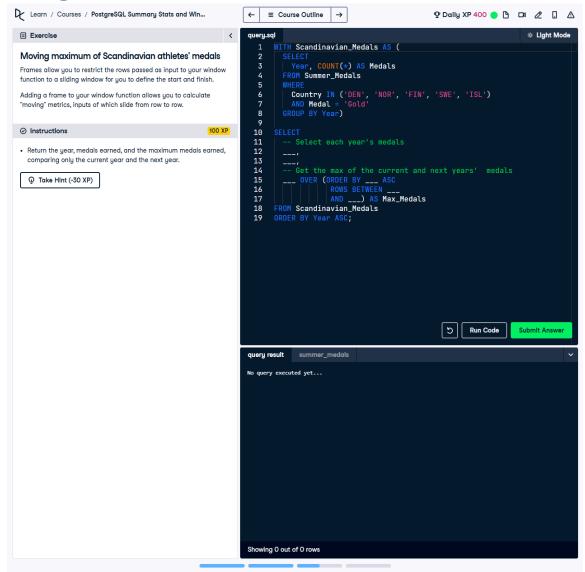
Moving Maximum of Scandinavian Athletes' Medals



Frames allow you to restrict the rows passed as input to your window function to a sliding window for you to define the start and finish. Adding a frame to your window function allows you to calculate 'moving' metrics, inputs of which slide from row to row.

This exercise involves calculating the moving maximum of gold medals earned by Scandinavian countries year by year, comparing the current year and the next year. The results are sorted by year in ascending order.

Correct Answer

```
WITH Scandinavian Medals AS (
 SELECT
  Year,
  COUNT(*) AS Medals
 FROM Summer Medals
 WHERE
  Country IN ('DEN', 'NOR', 'FIN', 'SWE', 'ISL') AND
  Medal = 'Gold'
 GROUP BY Year
SELECT
 Year,
 Medals,
 MAX(Medals) OVER (ORDER BY Year ASC ROWS BETWEEN CURRENT
ROW AND 1 FOLLOWING) AS Max Medals
FROM Scandinavian Medals
ORDER BY Year ASC;
```

Explanation of the query:

- 1. `WITH Scandinavian_Medals AS (...)`: Calculates the total gold medals won by Scandinavian countries (Denmark, Norway, Finland, Sweden, Iceland) for each year.
- 2. `MAX(Medals) OVER (ORDER BY Year ASC ROWS BETWEEN CURRENT ROW AND 1 FOLLOWING) AS Max_Medals`: Computes the maximum medals within a sliding window of the current year and the next year.
- 3. `ORDER BY Year ASC`: Sorts the results by year to ensure a chronological order.