

Table: Sales				
sale_id	region	salesperson	sale_amount	sale_date
1	North	Alice	500	2024-03-01
23	North	XYZ	450	2024-03-01
2	North	Bob	300	2024-03-02
3	North	Alice	200	2024-03-03
4	South	Charlie	700	2024-03-01
5	South	Alice	1000	2024-03-02
6	South	Bob	500	2024-03-03

Expected Output: Running Total of Sales Per Region (Ordered by Date)

region	sale_date	total_sale_amount	running_total
North	2024-03-01	950	950
North	2024-03-02	300	1250
North	2024-03-03	200	1450
South	2024-03-01	700	700
South	2024-03-02	1000	1700
South	2024-03-03	500	2200

Solution:

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Select
Region,
sale_date,
total_sale_amount
sum(total_sale_amount) over(partition by region order by sale_date) as running_total
→ by default it is: ROW UNBOUNDED PRECEDING AND CURRENT ROW.
From (
Select
Region, sale_date, sum(sale_amount) as total_sale_amount from sales
Group by region, sale_date
) as revised_sales

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