## Lesson 7: Quiz- Window Functions 1+2

## 1.Creating a Running Total Using Window Functions

Using Derek's previous video as an example, create another running total. This time, create a running total of standard\_amt\_usd (in the orders table) over order time with no date truncation. Your final table should have two columns: one with the amount being added for each new row, and a second with the running total.

SELECT

Standard\_amt\_usd,

SUM(standard\_amt\_usd) OVER (ORDER BY occurred\_at) AS running\_total

FROM orders;

2.Creating a Partitioned Running Total Using Window Functions

Now, modify your query from the previous quiz to include partitions. Still create a running total of standard\_amt\_usd (in the orders table) over order time, but this time, date truncate occurred\_at by year and partition by that same year-truncated occurred\_at variable. Your final table should have three columns: One with the amount being added for each row, one for the truncated date, and a final column with the running total within each year.

SELECT

standard\_amt\_usd,

DATE\_TRUNC('year', occurred\_at),

SUM(standard\_amt\_usd) OVER(

PARTITION BY DATE\_TRUNC('year', occurred\_at)

ORDER BY occurred\_at) AS running\_total

FROM orders;