-- Calculate the cumulative sum of extended cost ordered by customer zip code, calendar year, and calendar month for shipments (transaction type 5).

-- The result should include the customer zip code, calendar year, calendar month, sum of the extended cost, and cumulative sum of the extended cost.

-- Note that the cumulative extended cost is the sum of the extended cost in the current row plus the cumulative sum of extended costs in all previous rows.

SELECT CUST\_VENDOR\_DIM.ZIP, DATE\_DIM.CALYEAR, DATE\_DIM.CALMONTH, SUM(ExtCost) AS SumExtCost,

SUM(SUM(ExtCost)) OVER (ORDER BY CUST\_VENDOR\_DIM.ZIP, DATE\_DIM.CALYEAR, DATE\_DIM.CALMONTH ROWS UNBOUNDED PRECEDING ) AS CumSumExtCost

FROM INVENTORY\_FACT, CUST\_VENDOR\_DIM, DATE\_DIM

WHERE INVENTORY\_FACT.CUSTVENDORKEY = CUST\_VENDOR\_DIM.CUSTVENDORKEY

AND INVENTORY\_FACT.DATEKEY = DATE\_DIM.DATEKEY

AND TRANSTYPEKEY = 5

GROUP BY CUST\_VENDOR\_DIM.ZIP, DATE\_DIM.CALYEAR, DATE\_DIM.CALMONTH;

