## 4. Rewrite Query 2 of the Module 2 Assignment

Using the materialized views that you created in problems 1 and 2, you should rewrite query 2 from the module 2 assignment. After you submit the module 2 assignment, you will have access to the solution as part of the peer assessment. You should rewrite query 2 using the materialized views to replace the fact table and possibly dimension tables. You can use either the CUBE or GROUPING SETS operator in your solution. You should not use a CREATE VIEW statement in your solution. For ease of reference, here are the requirements for query 2 of the module 2 assignment.

Write an SQL statement to display the sum of the extended cost and the number of inventory transactions. The results should include data for shipments (transaction type 5) in calendar years 2011 and 2012. Summarize the result by calendar quarter, customer zip code, and customer name. The result should include the grouped columns and the full set of subtotals for every combination of grouped columns.

SELECT CALQUARTER,

ZIP,

NAME,

SUM(TOTALEXTCOST),

SUM(TOTALTRANSACTION)

FROM

(SELECT dd1.CALQUARTER,

cvd1.ZIP,

cvd1.NAME,

mv1.TOTALEXTCOST,

mv1.TOTALTRANSACTION

FROM SalesByVendorDateKeyMV2011 mv1

INNER JOIN CUST\_VENDOR\_DIM cvd1

ON mv1.CUSTVENDORKEY = cvd1.CUSTVENDORKEY

INNER JOIN DATE\_DIM dd1

ON mv1.DATEKEY = dd1.DATEKEY

UNION

SELECT dd2.CALQUARTER,

cvd2.ZIP,

cvd2.NAME,

mv2.TOTALEXTCOST,

mv2.TOTALTRANSACTION

FROM SalesByVendorDateKeyMV2012 mv2

INNER JOIN CUST\_VENDOR\_DIM cvd2

ON mv2.CUSTVENDORKEY = cvd2.CUSTVENDORKEY

INNER JOIN DATE\_DIM dd2

ON mv2.DATEKEY = dd2.DATEKEY

)

GROUP BY CUBE(CALQUARTER, ZIP, NAME)

