## Query 2: Sales Order Shipments by Name, Zip, and Quarter

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 full set of subtotals for every combination of grouped columns. Do not use the CUBE and UNION operators.

SELECT D.CALQUARTER,C.ZIP,C.NAME, count(\*) as num\_transactions, sum(I.EXTCOST) as tot\_extcost

FROM date\_dim D inner join inventory\_fact I on D.DATEKEY = I.DATEKEY

INNER JOIN cust\_vendor\_dim C on C.CUSTVENDORKEY = I.CUSTVENDORKEY

WHERE (D.CALYEAR = 2011 or D.CALYEAR = 2012) and I.TRANSTYPEKEY = 5

GROUP BY GROUPING SETS((D.CALQUARTER,C.ZIP,C.NAME),(D.CALQUARTER,C.ZIP),(C.ZIP,C.NAME),

(D.CALQUARTER,C.NAME),(D.CALQUARTER),(C.ZIP),(C.NAME),() );

