Problem 5:

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 year, calendar quarter, and customer name. The result should show the grouped columns and the normal set of group by results plus partial subtotals for year and quarter concatenated with customer name. Do not use the GROUPING SETS and UNION operators. (Hint: see the partial ROLLUP example in lesson 5).

Ans:

SELECT CalYear, CalQuarter, Name, SUM(ExtCost),

COUNT(\*) AS NumTransactions

FROM Inventory\_Fact I

INNER JOIN Date\_Dim D ON I.DateKey = D.DateKey

INNER JOIN Cust\_Vendor\_Dim C ON I.CustVendorKey = C.CustVendorKey

WHERE TransTypeKey = 5 AND CalYear in (2011, 2012)

GROUP BY ROLLUP (CalYear, CalQuarter), Name

ORDER BY CalYear, CalQuarter, Name;

