Problem 10:

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 include the grouped columns and subtotals for customer name along with partial subtotals for year and quarter. Do not include the normal GROUP BY totals in the result. Do not use the UNION operator. (Hint: see the nested rollup example in lesson 5).

Ans:

SELECT Name, CalYear, CalQuarter, 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 GROUPING SETS (Name, ROLLUP (CalYear, CalQuarter));

