Problem 8:

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 the full set of subtotals for customer name and the combination of year and quarter. Do not use the GROUPING SETS and UNION operators. (Hint: see the composite column 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 CUBE (Name, (CalYear, CalQuarter));

