**PROBLEM 9**

SELECT CALMONTH,ADDR\_CAT\_CODE1.ADDRCATCODEKEY,

SUM(Extcost) AS Sumcost, SUM(Quantity) AS Quantity1,COUNT(\*) AS RowCount,

GROUPING\_ID(CALMONTH,ADDR\_CAT\_CODE1.ADDRCATCODEKEY)AS GROUP\_LEVEL

FROM Inventory\_fact, Date\_dim,Trans\_Type\_Dim,CUST\_VENDOR\_DIM,ADDR\_CAT\_CODE1

WHERE Inventory\_fact.DATEKEY=Date\_dim.DATEKEY

AND Inventory\_fact.TransTypeKey=Trans\_Type\_Dim.TRANSTYPEKEY

AND CUST\_VENDOR\_DIM.ADDRCATCODE1=ADDR\_CAT\_CODE1.ADDRCATCODEKEY

AND (Trans\_Type\_Dim.TRANSTYPEKEY =5)

AND CalYear = 2011

GROUP BY CUBE(CALMONTH,ADDR\_CAT\_CODE1.ADDRCATCODEKEY)

ORDER BY GROUP\_LEVEL;

