**PROBLEM 6**

SELECT CALMONTH,ADDR\_CAT\_CODE1.ADDRCATCODEKEY,

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

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 CALMONTH,ADDR\_CAT\_CODE1.ADDRCATCODEKEY

UNION

SELECT CALMONTH,NULL,

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

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 CALMONTH

UNION

SELECT NULL,ADDR\_CAT\_CODE1.ADDRCATCODEKEY,

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

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 ADDR\_CAT\_CODE1.ADDRCATCODEKEY

UNION

SELECT NULL,NULL,

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

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

ORDER BY 1,2;

