**PROBLEM 1**

SELECT CALMONTH,ADDRCATCODE1,

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 (Trans\_Type\_Dim.TRANSTYPEKEY =5)

AND CalYear = 2011

GROUP BY CUBE(CALMONTH,ADDRCATCODE1)

ORDER BY CALMONTH,ADDRCATCODE1;

