**Problem 6**

**Query:**

SELECT NULL

, NULL

, SUM(F.quantity) AS TotalQuantity

, SUM(F.extcost) AS TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact F

ON D.datekey = F.datekey

INNER JOIN cust\_vendor\_dim V

ON V.custvendorkey = F.custvendorkey

WHERE D.calyear = 2011;

UNION

SELECT NULL

, V.addrcatcode1

, SUM(F.quantity) AS TotalQuantity

, SUM(F.extcost) AS TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact F

ON D.datekey = F.datekey

INNER JOIN cust\_vendor\_dim V

ON V.custvendorkey = F.custvendorkey

WHERE D.calyear = 2011

GROUP BY V.addrcatcode1

UNION

SELECT D.calmonth

, NULL

, SUM(F.quantity) AS TotalQuantity

, SUM(F.extcost) AS TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact F

ON D.datekey = F.datekey

INNER JOIN cust\_vendor\_dim V

ON V.custvendorkey = F.custvendorkey

WHERE D.calyear = 2011

GROUP BY D.calmonth

**Output:**

