**Solution:**

SELECT D.calmonth, NULL, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact I on D.datekey = I.datekey

INNER JOIN cust\_vendor\_dim C on C.custvendorkey = I.custvendorkey

WHERE D.calyear = 2011

GROUP BY D.calmonth

UNION

SELECT NULL, C.addrcatcode1, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact I on D.datekey = I.datekey

INNER JOIN cust\_vendor\_dim C on C.custvendorkey = I.custvendorkey

WHERE D.calyear = 2011

GROUP BY C.addrcatcode1

UNION

SELECT D.calmonth,C.addrcatcode1, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact I on D.datekey = I.datekey

INNER JOIN cust\_vendor\_dim C on C.custvendorkey = I.custvendorkey

WHERE D.calyear = 2011

GROUP BY D.calmonth,C.addrcatcode1

UNION

SELECT NULL,NULL, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM date\_dim D

INNER JOIN inventory\_fact I on D.datekey = I.datekey

INNER JOIN cust\_vendor\_dim C on C.custvendorkey = I.custvendorkey

WHERE D.calyear = 2011;

