**Solution To Module 2**

2.

SELECT D.CalQuarter, C.Zip, C.Name, COUNT(\*) AS Num\_Transactions, SUM(I.ExtCost) AS Tot\_ExtCost

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 OR D.CALYEAR = 2012) AND I.TRANSTYPEKEY = 5

GROUP BY grouping sets((D.CALQUARTER,C.ZIP,C.NAME),(D.CALQUARTER,C.ZIP),(C.ZIP,C.NAME),

(D.CALQUARTER,C.NAME),(D.CALQUARTER),(C.ZIP),(C.NAME),());

