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**Query 9: Sales Order Shipments by Month and Category Code1 with Group Number**

**Write an SQL statement to display the sum of the extended cost and the sum of the quantity.**

**The results should include data for shipments (transaction type 5) in calendar year 2011.**

**Summarize the result by calendar month and Address Category Code 1.**

**The result should include:**

**- the grouped columns and**

**- the full set of subtotals for every combination of grouped columns**

**along with the hierarchical group number for both grouping columns. Do not use the GROUPING SETS and UNION operators.**

**(Hint: see the group functions slide in lesson 5).**

**\*/**

**SELECT DD.calmonth, CV.addrcatcode1, GROUPING\_ID(DD.calmonth, CV.addrcatcode1) AS GROUP\_LEVEL,**

**SUM (FCT.extcost),**

**SUM (FCT.quantity)**

**from INVENTORY\_FACT FCT**

**JOIN date\_dim DD ON FCT.datekey = dd.datekey**

**JOIN cust\_vendor\_dim CV ON CV.custvendorkey = FCT.custvendorkey**

**WHERE FCT.transtypekey = 5**

**AND dd.calyear IN (2011)**

**GROUP BY CUBE(DD.calmonth, CV.addrcatcode1)**

**ORDER BY 1,2**

