## Query 5: Adjustments by Part Number

Write an SQL statement to display the sum of the extended cost and the number of inventory transactions. The results should include data for shipments (transaction type 5) in calendar years 2011 and 2012. Summarize the result by calendar year, calendar quarter, and customer name. The result should show the grouped columns and the normal set of group by results plus partial subtotals for year and quarter concatenated with customer name. Do not use the GROUPING SETS and UNION operators. (Hint: see the partial ROLLUP example in lesson 5).

**Answer:**

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| SELECT D.CALYEAR, D.CALQUARTER, C.NAME, SUM(F.EXTCOST) as TOTAL\_COST, COUNT(F.INVENTORYKEY) as TOTAL\_TRANSACTIONS |
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| --- |
| FROM INVENTORY\_FACT F JOIN DATE\_DIM D ON F.DATEKEY = D.DATEKEY |
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| JOIN CUST\_VENDOR\_DIM C ON F.CUSTVENDORKEY = C.CUSTVENDORKEY |
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| WHERE TRANSTYPEKEY = 5 AND D.CALYEAR IN (2011,2012) |
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| GROUP BY ROLLUP(D.CALYEAR, D.CALQUARTER), C.NAME |
|  |

ORDER BY D.CALYEAR, D.CALQUARTER, C.NAME;

