## Query 2: Sales Order Shipments by Name, Zip, and Quarter

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 quarter, customer zip code, and customer name. The result should include the grouped columns and full set of subtotals for every combination of grouped columns. Do not use the CUBE and UNION operators.

**Answer:**

SELECT D.CALQUARTER,

C.ZIP,

C.NAME,

SUM(EXTCOST) AS TOTAL\_COST,

COUNT(INVENTORYKEY) AS TOTAL\_TRANSACTIONS

FROM INVENTORY\_FACT F

JOIN DATE\_DIM D

ON F.DATEKEY = D.DATEKEY

JOIN CUST\_VENDOR\_DIM C

ON F.CUSTVENDORKEY = C.CUSTVENDORKEY

WHERE TRANSTYPEKEY = 5

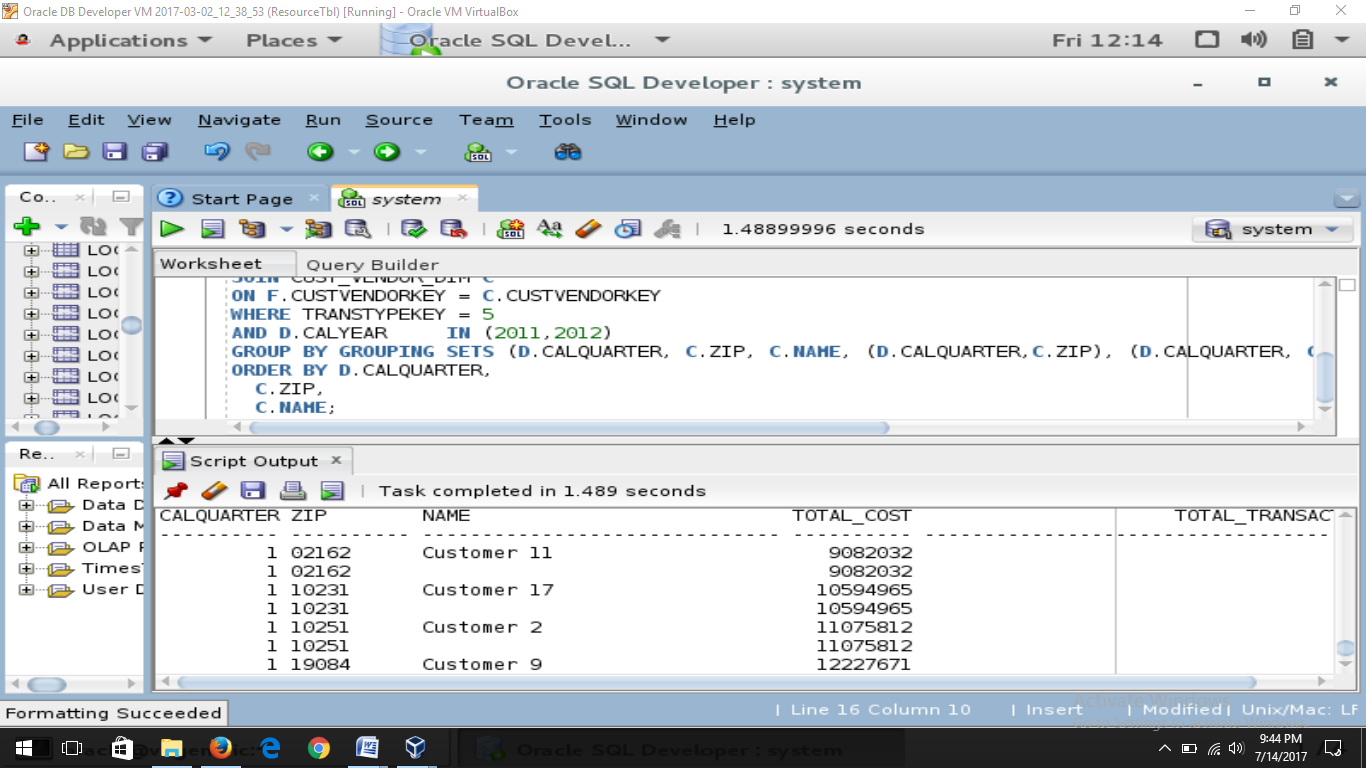
AND D.CALYEAR IN (2011,2012)

GROUP BY GROUPING SETS (D.CALQUARTER, C.ZIP, C.NAME, (D.CALQUARTER,C.ZIP), (D.CALQUARTER, C.NAME), (C.ZIP,C.NAME), (D.CALQUARTER,C.ZIP,C.NAME), ())

ORDER BY D.CALQUARTER,

C.ZIP,

C.NAME;

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