## 3. Rewrite Query 1 of the Module 2 Assignment

Using the materialized views that you created in problems 1 and 2, you should rewrite query 1 from the module 2 assignment. After you submit the module 2 assignment, you will have access to the solution as part of the peer assessment. You should rewrite query 1 using the materialized views to replace the fact table and possibly dimension tables. You should not use a CREATE VIEW statement in your solution. For ease of reference, here are the requirements for query 1 of the module 2 assignment.

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 full set of subtotals for every combination of grouped fields.

**Answer:**

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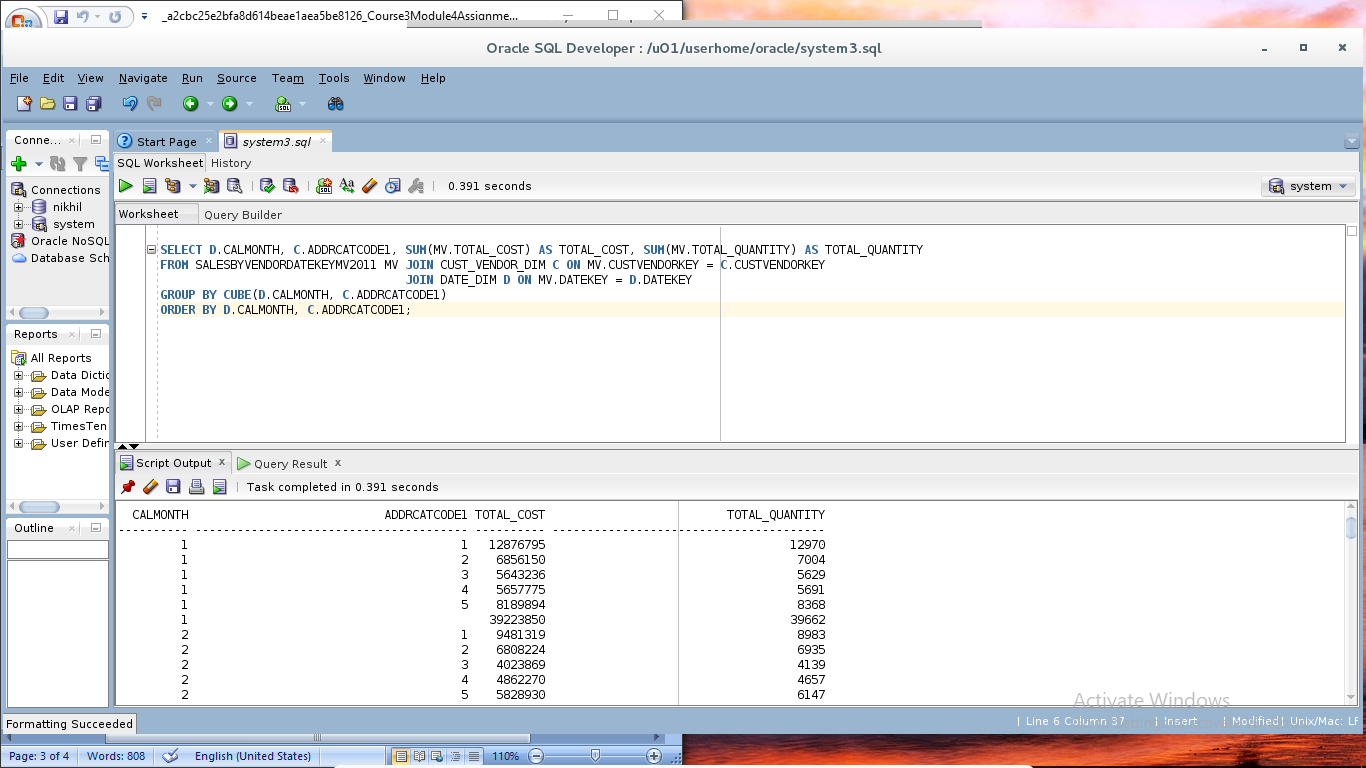
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| SELECT D.CALMONTH, C.ADDRCATCODE1, SUM(MV.TOTAL\_COST) AS TOTAL\_COST, SUM(MV.TOTAL\_QUANTITY) AS TOTAL\_QUANTITY |
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| FROM SALESBYVENDORDATEKEYMV2011 MV JOIN CUST\_VENDOR\_DIM C ON MV.CUSTVENDORKEY = C.CUSTVENDORKEY |
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| JOIN DATE\_DIM D ON MV.DATEKEY = D.DATEKEY |
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| GROUP BY CUBE(D.CALMONTH, C.ADDRCATCODE1) |
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ORDER BY D.CALMONTH, C.ADDRCATCODE1;

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