## 1. Create Materialized View for 2011 Shipments

Write a CREATE MATERIALIZED VIEW statement according to the following specifications:

* The result should contain the sum of the extended cost, the sum of the quantity, and the count of inventory transactions.
* These calculated amounts should be summarized by the customer vendor key and the date key.
* The result should include only sales shipment transactions (transaction type 5) for the year 2011.
* The materialized view should not contain subtotals that are created by the CUBE and the ROLLUP keywords.
* To make the peer assessment easier, you should name your materialized view “SalesByVendorDateKeyMV2011”.

**Answer:**

|  |
| --- |
| CREATE MATERIALIZED VIEW SALESBYVENDORDATEKEYMV2011 |
|  |

|  |
| --- |
| BUILD IMMEDIATE |
|  |

|  |
| --- |
| REFRESH COMPLETE ON DEMAND |
|  |

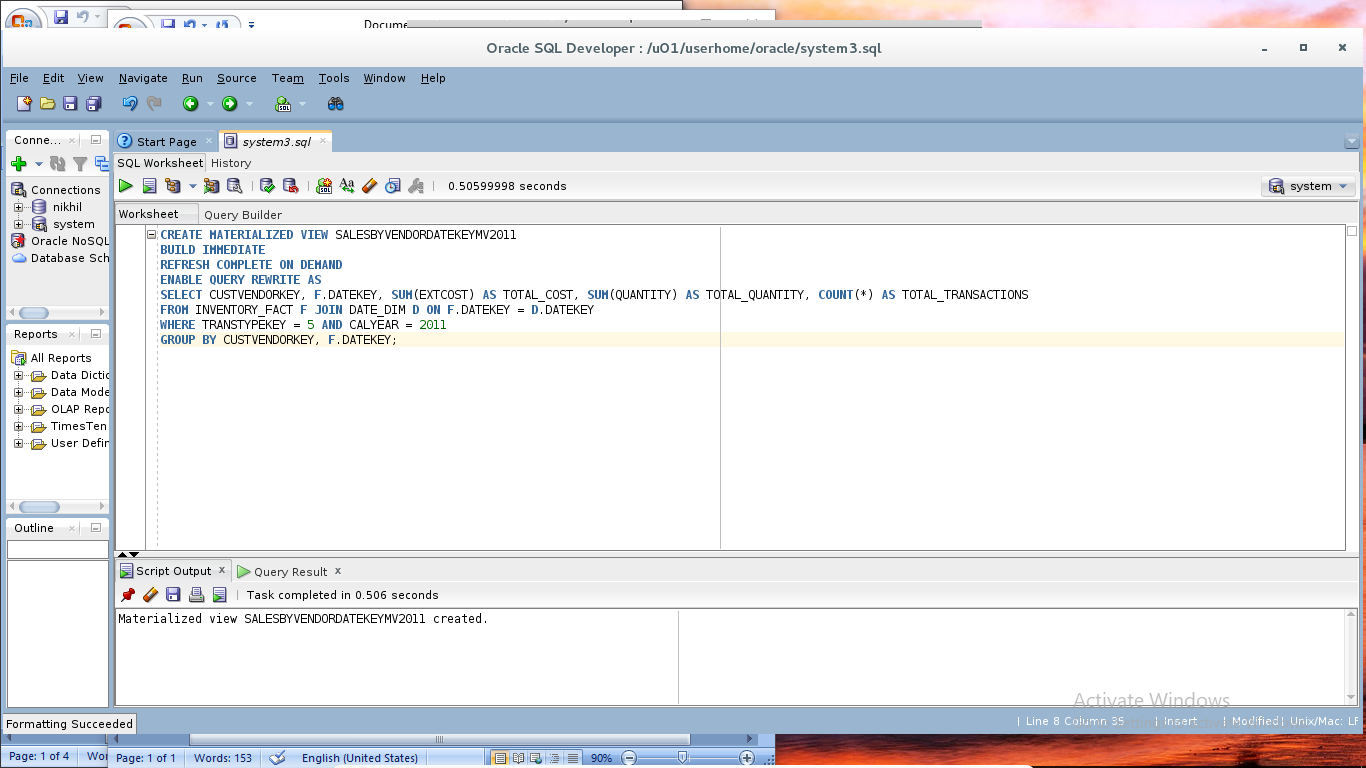
|  |
| --- |
| ENABLE QUERY REWRITE AS |
|  |

|  |
| --- |
| SELECT CUSTVENDORKEY, F.DATEKEY, SUM(EXTCOST) AS TOTAL\_COST, SUM(QUANTITY) AS TOTAL\_QUANTITY, COUNT(\*) AS TOTAL\_TRANSACTIONS |
|  |

|  |
| --- |
| FROM INVENTORY\_FACT F JOIN DATE\_DIM D ON F.DATEKEY = D.DATEKEY |
|  |

|  |
| --- |
| WHERE TRANSTYPEKEY = 5 AND CALYEAR = 2011 |
|  |

GROUP BY CUSTVENDORKEY, F.DATEKEY;

****