

Query 7

```

SELECT CalYear,SecondItemId,SUM(ExtCost) AS CostSum,RATIO_TO_REPORT(SUM(ExtCost))
  OVER (PARTITION BY CalYear) AS SumCostRatio
FROM Inventory_fact,Item_master_dim,date_dim
WHERE Inventory_fact.ItemMasterKey = Item_master_dim.ItemMasterKey AND
Inventory_fact.DateKey = date_dim.DateKey AND Inventory_fact.TransTypeKey = 1
GROUP BY CalYear,SecondItemId
ORDER BY CalYear,SUM(ExtCost) DESC;

```

CALYEAR	SECONDDITEMID	COSTSUM	SUMCOSTRATIO
<hr/>			
2011	Second Part 20	1809863	8.4E-02
2011	Second Part 10	1547769	7.2E-02
2011	Second Part 4	1432612	6.6E-02
2011	Second Part 18	1428655	6.6E-02
2011	Second Part 3	1412170	6.5E-02
2011	Second Part 11	1390063	6.4E-02
2011	Second Part 9	1294296	6.0E-02
2011	Second Part 15	1161102	5.4E-02
2011	Second Part 12	1139753	5.3E-02
2011	Second Part 6	1104316	5.1E-02
2011	Second Part 14	1102972	5.1E-02

CALYEAR	SECONDDITEMID	COSTSUM	SUMCOSTRATIO
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2011	Second Part 19	1024749	4.7E-02
2011	Second Part 13	1001231	4.6E-02
2011	Second Part 17	941992	4.4E-02
2011	Second Part 1	883627	4.1E-02
2011	Second Part 8	866137	4.0E-02
2011	Second Part 2	812296	3.8E-02
2011	Second Part 5	703838	3.3E-02
2011	Second Part 7	320893	1.5E-02
2011	Second Part 16	197109	9.1E-03
2012	Second Part 19	1683219	8.0E-02
2012	Second Part 1	1645843	7.8E-02

CALYEAR	SECONDDITEMID	COSTSUM	SUMCOSTRATIO
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2012	Second Part 11	1309388	6.2E-02
2012	Second Part 2	1247564	5.9E-02
2012	Second Part 9	1205411	5.7E-02
2012	Second Part 17	1143031	5.5E-02

2012 Second Part 12	1124337	5.4E-02
2012 Second Part 7	1070234	5.1E-02
2012 Second Part 6	1060060	5.1E-02
2012 Second Part 20	1033998	4.9E-02
2012 Second Part 3	1032252	4.9E-02
2012 Second Part 13	978579	4.7E-02
2012 Second Part 15	965580	4.6E-02

CALYEAR SECONDITEMID	COSTSUM	SUMCOSTRATIO
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2012 Second Part 10	951109	4.5E-02
2012 Second Part 8	800939	3.8E-02
2012 Second Part 16	796832	3.8E-02
2012 Second Part 5	785009	3.7E-02
2012 Second Part 4	763671	3.6E-02
2012 Second Part 18	746267	3.6E-02
2012 Second Part 14	627465	3.0E-02

40 rows selected

The screenshot shows the Oracle SQL Developer interface. The main window displays a query result with 40 rows selected. The query is as follows:

```
SELECT CalYear,SecondItemId,SUM(ExtCost) AS CostSum,RATIO_TO_REPORT(SUM(ExtCost))
OVER (PARTITION BY CalYear) AS SumCostRatio
FROM Inventory_fact,Item_master_dim,date_dim
WHERE Inventory_fact.ItemMasterKey = Item_master_dim.ItemMasterKey AND Inventory_fact.DateKey = date_dim.DateKey AND Inventory_fact.TransTypeKey = 1
GROUP BY CalYear,SecondItemId
ORDER BY CalYear,SUM(ExtCost) DESC;
```

The result set is displayed in a table with three columns: CALYEAR, SECONDITEMID, and SUMCOSTRATIO. The data is sorted by CALYEAR and SUM(ExtCost) in descending order. The first 15 rows are grouped by CALYEAR (2012) and SECONDITEMID. The next 15 rows are grouped by CALYEAR (2012) and SECONDITEMID. The last 10 rows are grouped by CALYEAR (2012) and SECONDITEMID. The status bar at the bottom indicates "40 rows selected".

CALYEAR	SECONDITEMID	COSTSUM	SUMCOSTRATIO
2012	Second Part 11	1309388	6.2E-02
2012	Second Part 2	1247564	5.9E-02
2012	Second Part 9	1205411	5.7E-02
2012	Second Part 17	1143031	5.5E-02
2012	Second Part 12	1124337	5.4E-02
2012	Second Part 7	1070234	5.1E-02
2012	Second Part 6	1060060	5.1E-02
2012	Second Part 20	1033998	4.9E-02
2012	Second Part 3	1032252	4.9E-02
2012	Second Part 13	978579	4.7E-02
2012	Second Part 15	965580	4.6E-02
2012	Second Part 10	951109	4.5E-02
2012	Second Part 8	800939	3.8E-02
2012	Second Part 16	796832	3.8E-02
2012	Second Part 5	785009	3.7E-02
2012	Second Part 4	763671	3.6E-02
2012	Second Part 18	746267	3.6E-02
2012	Second Part 14	627465	3.0E-02