

Query 6: Rewrite Query 1 without CUBE, ROLLUP, or GROUPING SETS

Query Editor Query History

```

1  SELECT CalMonth, AddrCatCode1, SUM(ExtCost) AS CostSum, SUM(Quantity) AS QuanSum
2  FROM Inventory_fact, date_dim, cust_vendor_dim
3  WHERE Inventory_fact.DateKey = date_dim.DateKey
4        AND Inventory_fact.CustVendorKey = cust_vendor_dim.CustVendorKey
5        AND Inventory_fact.TransTypeKey = 5
6        AND date_dim.CalYear = 2011
7  GROUP BY CalMonth, AddrCatCode1
8  UNION
9  SELECT CalMonth, NULL, SUM(ExtCost) AS CostSum, SUM(Quantity) AS QuanSum
10 FROM Inventory_fact, date_dim, cust_vendor_dim
11 WHERE Inventory_fact.DateKey = date_dim.DateKey
12        AND Inventory_fact.CustVendorKey = cust_vendor_dim.CustVendorKey
13        AND Inventory_fact.TransTypeKey = 5
14        AND date_dim.CalYear = 2011
15 GROUP BY CalMonth
16 UNION
17 SELECT NULL, AddrCatCode1, SUM(ExtCost) AS CostSum, SUM(Quantity) AS QuanSum
18 FROM Inventory_fact, date_dim, cust_vendor_dim
19 WHERE Inventory_fact.DateKey = date_dim.DateKey
20        AND Inventory_fact.CustVendorKey = cust_vendor_dim.CustVendorKey
21        AND Inventory_fact.TransTypeKey = 5
22        AND date_dim.CalYear = 2011
23 GROUP BY AddrCatCode1
24 UNION
25 SELECT NULL, NULL, SUM(ExtCost) AS CostSum, SUM(Quantity) AS QuanSum
26 FROM Inventory_fact, date_dim, cust_vendor_dim
27 WHERE Inventory_fact.DateKey = date_dim.DateKey
28        AND Inventory_fact.CustVendorKey = cust_vendor_dim.CustVendorKey
29        AND Inventory_fact.TransTypeKey = 5
30        AND date_dim.CalYear = 2011
31 ORDER BY 1, 2;

```

	calmonth integer	addrcatcode1 integer	costsum numeric	quansum numeric
1	1	1	12876795	12970
2	1	2	6856150	7004
3	1	3	5643236	5629
4	1	4	5657775	5691
5	1	5	8189894	8368
6	1	[null]	39223850	39662
7	2	1	9481319	8983
8	2	2	6808224	6935
9	2	3	4023869	4139
10	2	4	4862270	4657