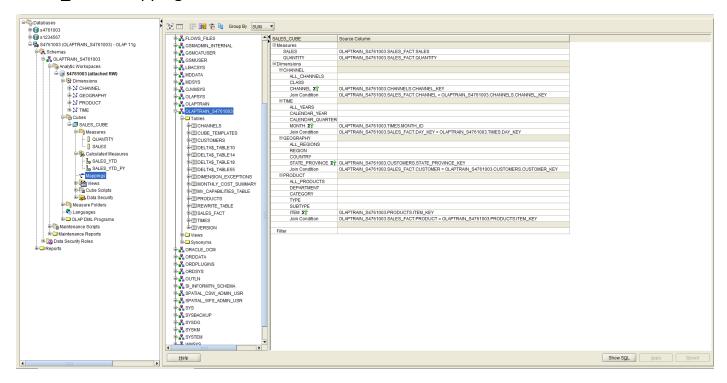
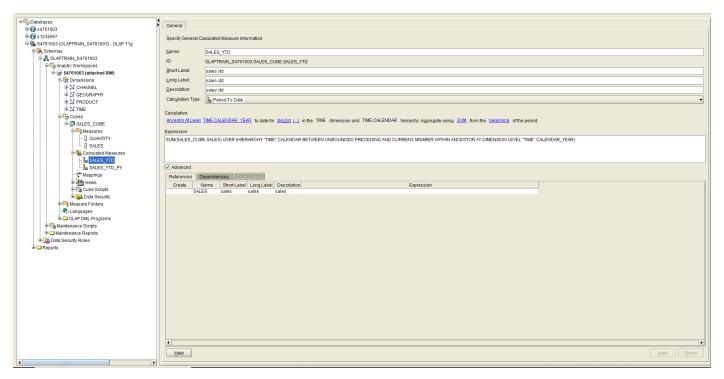
TASK 1

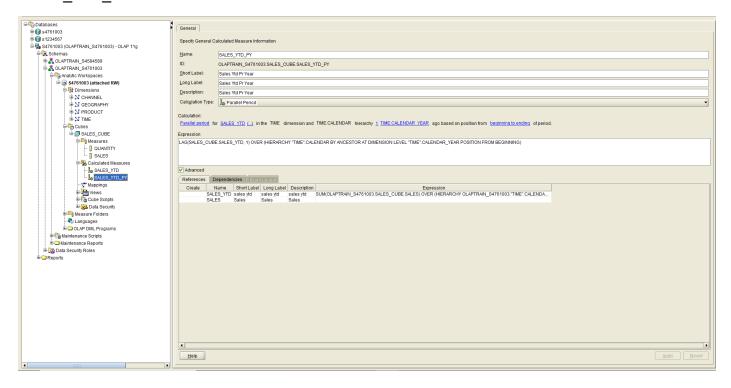
SALES_CUBE Mapping



SALES_YTD Definition

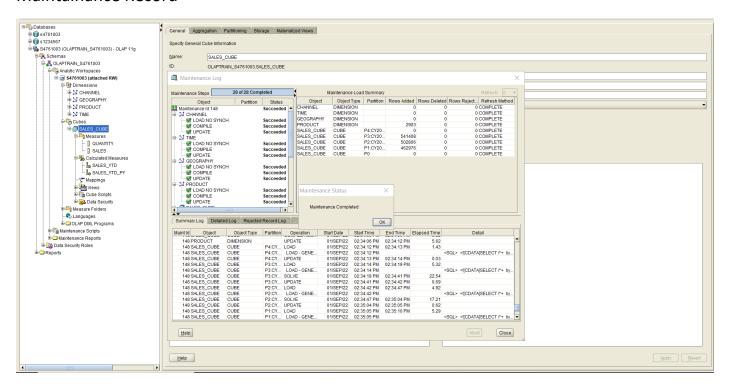


SALES_YTD_PY Definition



TASK 2

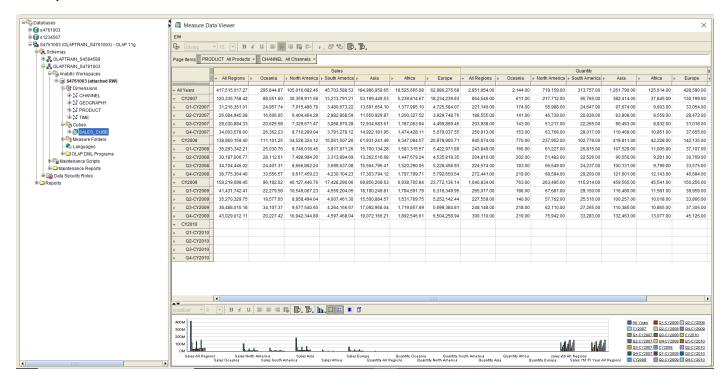
Maintainance Record



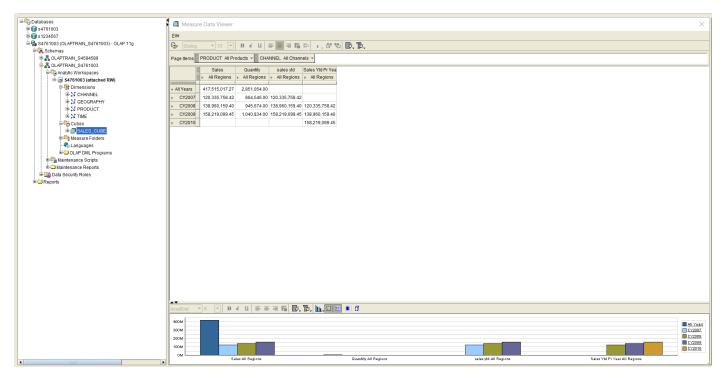
TASK 3

Roll-up operation

Before view - Here we can see the sales and quantity of different regions in their respective Yearly Quarters



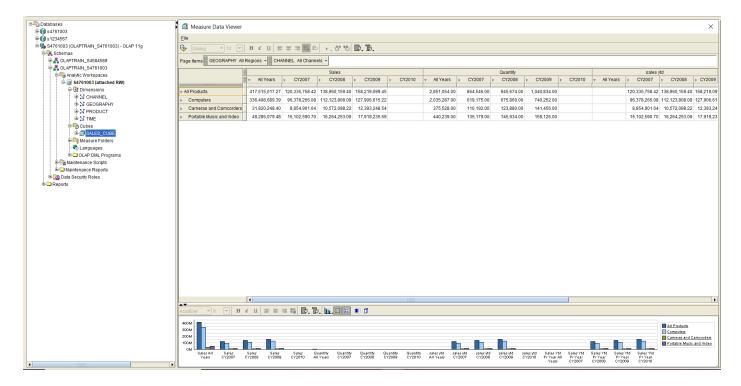
After view - Here we can see the sales and quantity for ALL Region in each Year



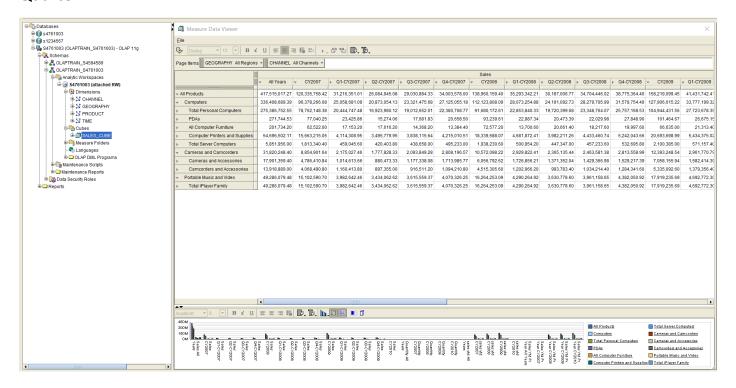
- Individual regions rolled into ALL Region
- Yearly Quarters rolled into Years

Drill-down operation

Before view - Here we can see the sales and quantity of different product category in each Year



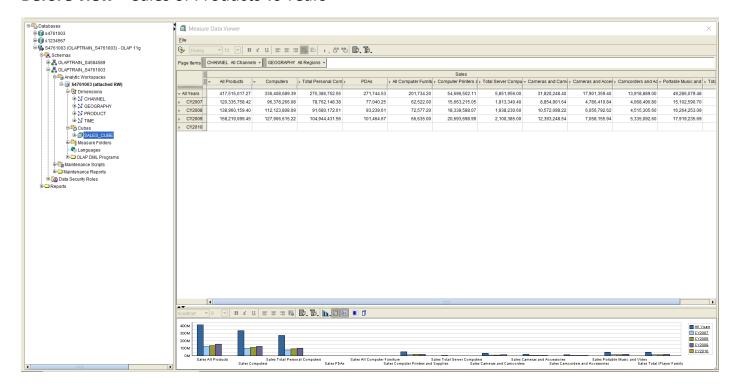
After view - Here we can see the sales and quantity of different products in each Year's Quarter



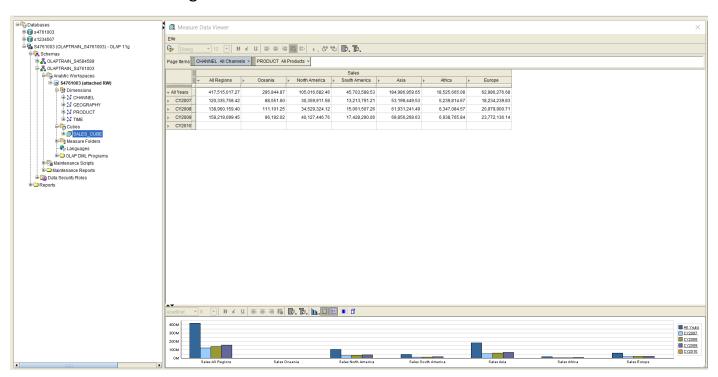
- Product categories drilled down into various Products
- Years drilled down into each year's quarters

Pivot operation

Before view – Sales of Products vs Years

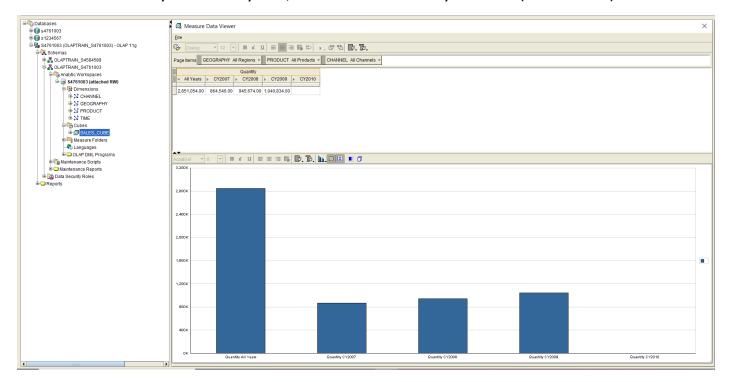


After view – Sales in Regions vs Years

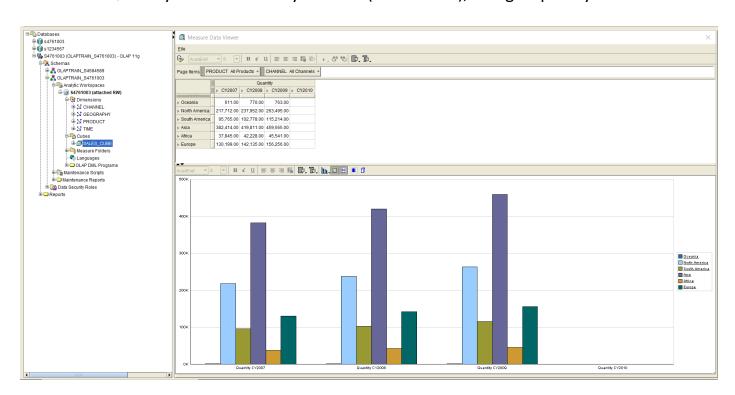


Keeping the year as constant, Products have been pivoted with Region

View One: Quantity across all years, and broken down by each CY (2007–2010)



View Two: Quantity broken down by each CY (2007–2010), and grouped by location

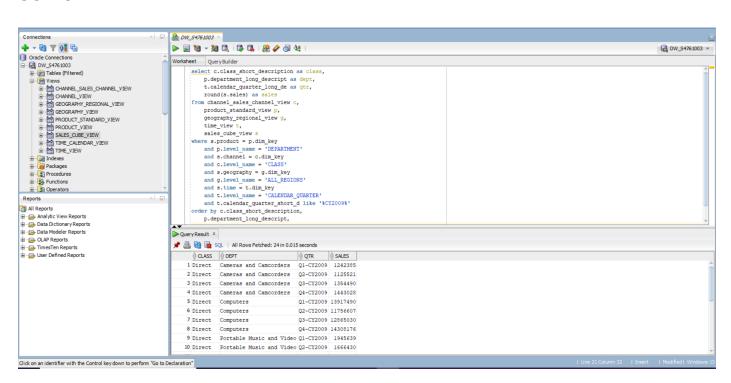


TASK 4

Query -

```
select c.class short description as class,
  p.department_long_descript as dept,
  t.calendar_quarter_long_de as qtr,
  round(s.sales) as sales
from channel sales channel view c,
  product standard view p,
  geography regional view g,
  time view t,
  sales cube view s
where s.product = p.dim key
  and p.level_name = 'DEPARTMENT'
  and s.channel = c.dim key
  and c.level name = 'CLASS'
  and s.geography = g.dim key
  and g.level name = 'ALL REGIONS'
  and s.time = t.dim key
  and t.level name = 'CALENDAR QUARTER'
  and t.calendar guarter short d like '%CY2009%'
order by c.class short description,
  p.department long descript,
  t.calendar quarter long de;
```

OUTPUT 1



OUTPUT 2

