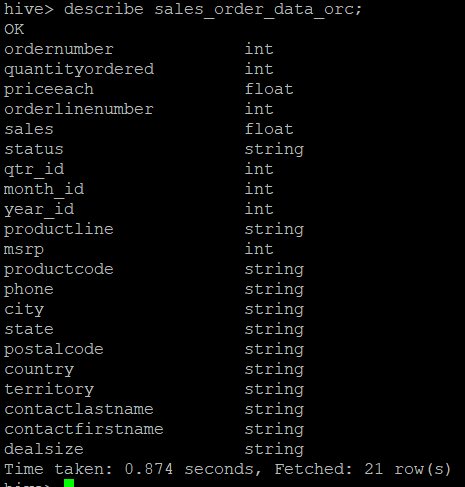
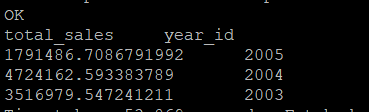
ORC table created;



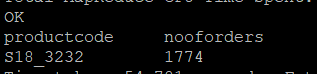
1. Calculate total sales per year

HQL: select sum(sales) as Total\_Sales,year\_id from sales\_order\_data\_orc group by year\_id order by year\_id desc;



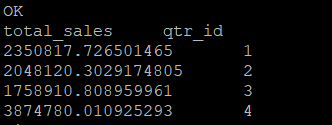
1. Find a product for which maximum orders were placed

HQL: select productcode, sum(quantityordered)as NoOfOrders from sales\_order\_data\_orc group by productcode order by NoOfOrders desc limit 1;



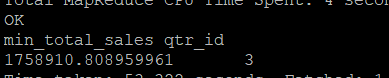
1. Calculate the total sales for each quarter

HQL: select sum(sales) as Total\_Sales,qtr\_id from sales\_order\_data\_orc group by qtr\_id order by qtr\_id;



1. In which quarter sales was minimum

HQL: select sum(sales) as Min\_Total\_Sales,qtr\_id from sales\_order\_data\_orc group by qtr\_id order by Min\_Total\_Sales limit 1;



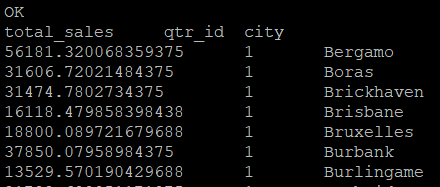
1. In which country sales was maximum and in which country sales was minimum

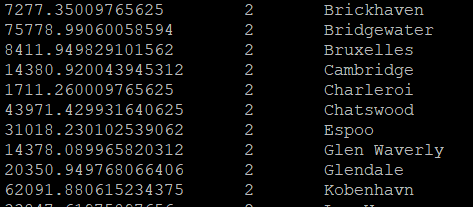
HQL: select A.Total\_Sales\_Country\_max, A.max\_sale\_country ,B.Total\_Sales\_Country\_min,B.min\_sale\_country from (select sum(sales) as Total\_Sales\_Country\_max ,country as max\_sale\_country,'a' as tcol from sales\_order\_data\_orc group by country order by Total\_Sales\_Country\_max desc limit 1)A inner join (select sum(sales) as Total\_Sales\_Country\_min ,country as min\_sale\_country,'a'as tcol from sales\_order\_data\_orc group by country order by Total\_Sales\_Country\_min limit 1)B on A.tcol=B.tcol;

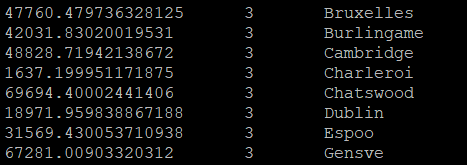


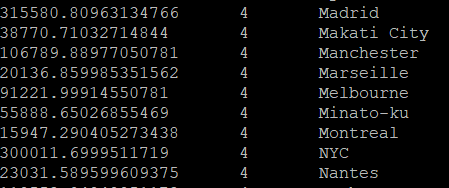
1. Calculate quarterly sales for each city

HQL: select sum(sales) as Total\_Sales,qtr\_id,city from sales\_order\_data\_orc group by qtr\_id,city;









1. Find a month for each year in which maximum number of quantities were sold

HQL: select distinct M.month\_id monthValue,M.year\_id as yearValue,M.quantityordered as Totalsales from hive\_class\_b1.sales\_order\_data\_orc M where

cast(concat(cast(M.quantityordered as string),cast(M.year\_id as string))as int) in (

select sub.datav from (select cast(concat(cast(max(a.quantityordered) as string),cast(a.year\_id as string)) as int)datav

from hive\_class\_b1.sales\_order\_data\_orc a Where a.year\_id in

(select distinct year\_id from hive\_class\_b1.sales\_order\_data\_orc) group by a.year\_id)as sub) order by M.year\_id,M.month\_id;

