**Hive Class 3 Assignment**

Downloaded Vehicle Sales Data and stored it in Hadoop file system

A picture containing text

Description automatically generated

Create Table sales\_order\_csv using SerDe with attributes present in spreadsheet

Text

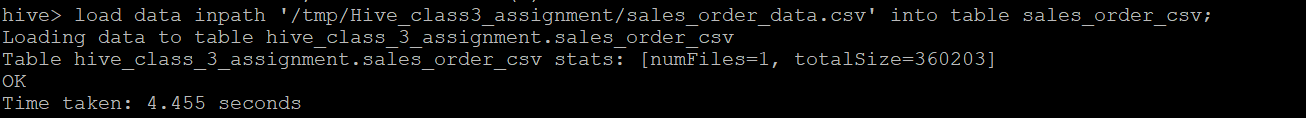
Description automatically generated

Describe the structure of sales\_order\_csv

Graphical user interface

Description automatically generated with low confidence

Load data from Hive Warehouse into table.



Query the data present in the table

A picture containing graphical user interface

Description automatically generated

Create sales\_order\_orc table

Text

Description automatically generated

Describe the format of the orc table.

Text

Description automatically generated

Copy data from sales\_order\_csv to sales\_order\_orc.

Text

Description automatically generated

***Solutions:***

1. Calculate total sales per year

**Query:** select year\_id,sum(sales) `Total Sales` from sales\_order\_orc group by year\_id

order by `Total Sales` desc;

**Output:**

Year Total Sales

2004 4724162.599999997

2003 3516979.540000001

2005 1791486.71

**Screen Shot:**

Text

Description automatically generated

A computer screen capture

Description automatically generated with medium confidence

1. Find a product for which maximum orders were placed

**Query**: select productcode,count(ordernumber) as `TotalOrders`

from sales\_order\_orc

group by productcode

order by `TotalOrders` desc limit 1;

**Output:**

S18\_3232 52

**ScreenShot**:

Text

Description automatically generated

1. Calculate the total sales for each quarter

**Query:** select qtr\_id,sum(sales) from sales\_order\_orc

group by qtr\_id;

**Output:** Quarter 1: 2350817.73

Quarter 2: 2048120.29

Quarter 3: 1758910.80

Quarter 4: 3874780.01

Text

Description automatically generated

1. In which quarter sales was minimum

**Query:**

select qtr\_id,sum(sales) `TotalSales` from sales\_order\_orc

group by qtr\_id

order by `TotalSales` asc limit 1

;

**Output: 3**

**Text

Description automatically generated**

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

Query(Max):

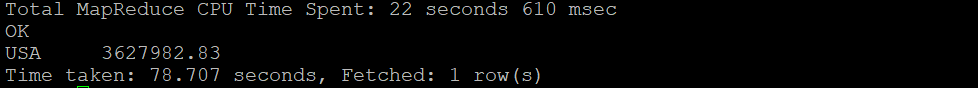
select country,SUM(sales) `TotalSales`

from sales\_order\_orc

group by country

order by `TotalSales` desc limit 1

Output: **USA**



(Min):

select country,SUM(sales) `TotalSales`

from sales\_order\_orc

group by country

order by `TotalSales` asc limit 1

Output:**Ireland**

1. Calculate quartelry sales for each city

Query:

select country,

sum(case when qtr\_id = '1' then sales else 0 end) as `Q1 Sales`,

sum(case when qtr\_id = '2' then sales else 0 end) as `Q2 Sales`,

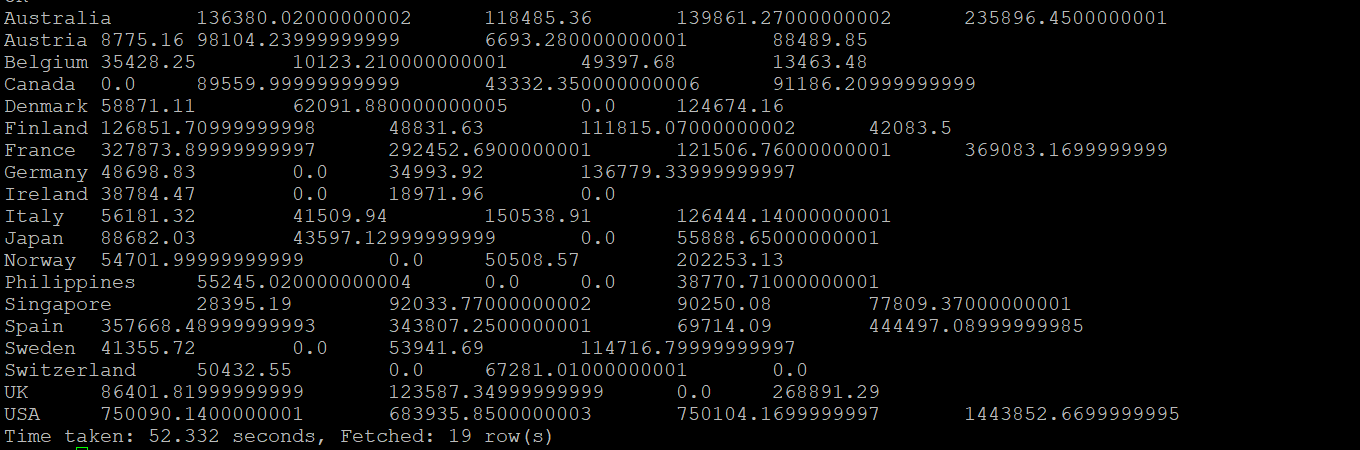
sum(case when qtr\_id = '3' then sales else 0 end) as `Q3 Sales`,

sum(case when qtr\_id = '4' then sales else 0 end) as `Q4 Sales`

from sales\_order\_orc

group by country;

Output:



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