19162121031

SMIT R PATEL

PRACTICAL 6

BIG DATA AND ANALYTICS

CODES OR COMMANDS:-

\$hadoop fs -mkdir smitrpatel19 ## make folder which name smitrpatel19 \$hadoop fs -put SalesJan2009.csv smitrpatel19 ## move csv file into folder \$hadoop fs -ls smitrpatel19 ## for go inside to folder

new terminal and type --> pig

grunt>salesTable = LOAD 'smitrpatel19/SalesJan2009.csv' USING PigStorage(',') AS (Transaction_date:chararray,Product:chararray,Price:chararray,Payment_Type:chararray,Name:chararray,City:chararray,State:chararray,Country:chararray,Account_Created:chararray,Last_Login:chararray,Latitude:chararray,Longitude:chararray);

grunt> GroupbyCountry = GROUP salesTable by Country; ##load the file
grunt> CountbyCountry = FOREACH GroupbyCountry GENERATE
CONCAT((chararray)\$0,CONCAT(':',(chararray)COUNT(\$1)));
grunt> STORE CountbyCountry INTO'pig_output_sales1' USING PigStorage('\t');

new terminal and type -->

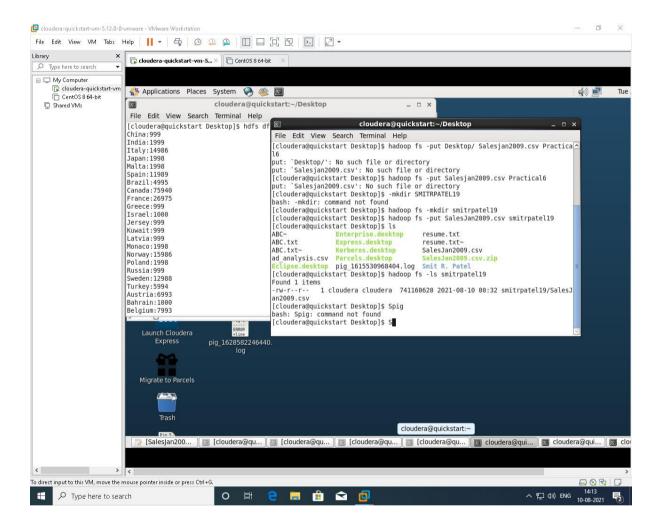
\$hdfs dfs -cat pig_output_sales1/part-r-00000

Code with output :-

Step 1:-

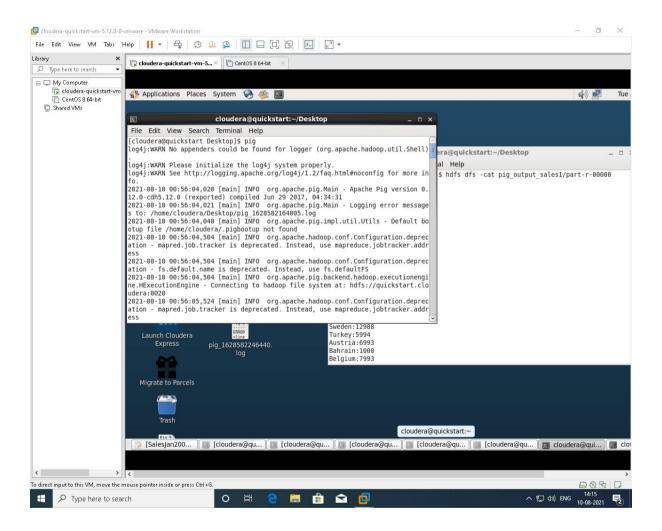
\$hadoop fs -mkdir smitrpatel19 ## make folder which name smitrpatel19 \$hadoop fs -put SalesJan2009.csv smitrpatel19 ## move csv file into folder

\$hadoop fs -ls smitrpatel19 ## for go inside to folder



Step 2:-

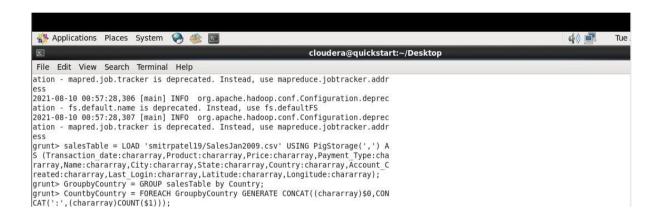
new terminal and type --> pig



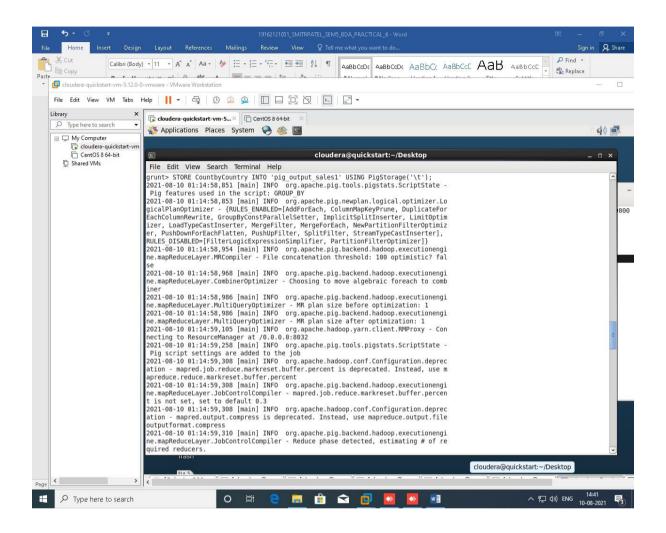
grunt>salesTable = LOAD 'smitrpatel19/SalesJan2009.csv' USING PigStorage(',') AS (Transaction_date:chararray,Product:chararray,Price:chararray,Payment_Type:chararray,Name:chararray,City:chararray,State:chararray,Country:chararray,Account_Created:chararray,Last_Login:chararray,Latitude:chararray,Longitude:chararray);

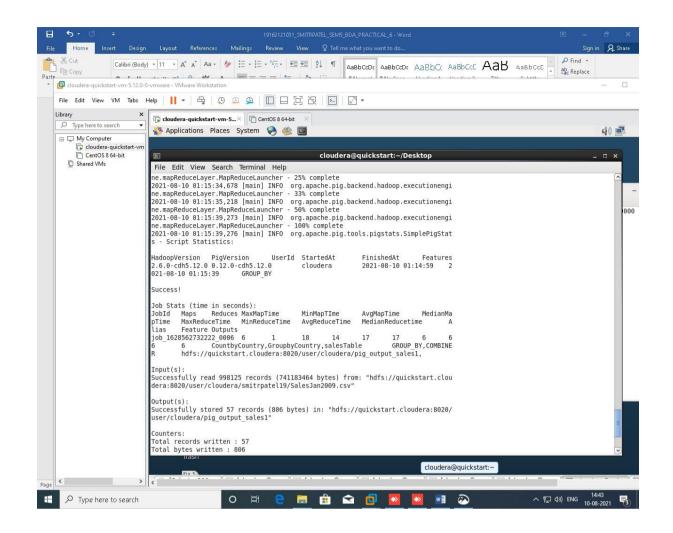
grunt>GroupbyCountry = GROUP salesTable by Country; ##load the file

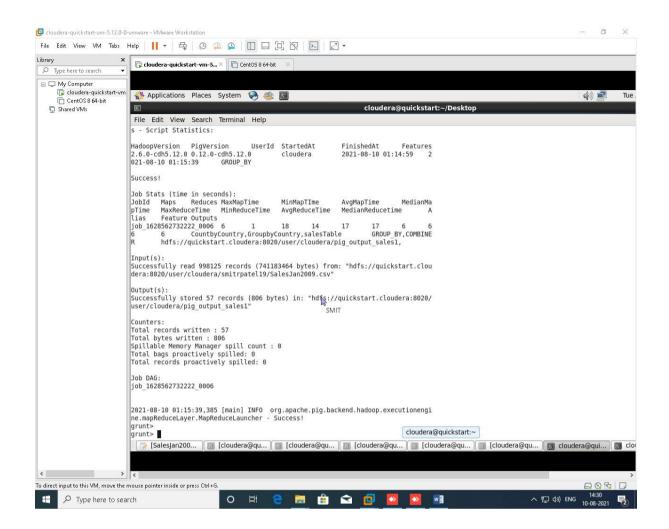
grunt> CountbyCountry = FOREACH GroupbyCountry GENERATE CONCAT((chararray)\$0,CONCAT(':',(chararray)COUNT(\$1)));



Step 4 :grunt>STORE CountbyCountry INTO 'pig_output_sales1' USING PigStorage('\t');



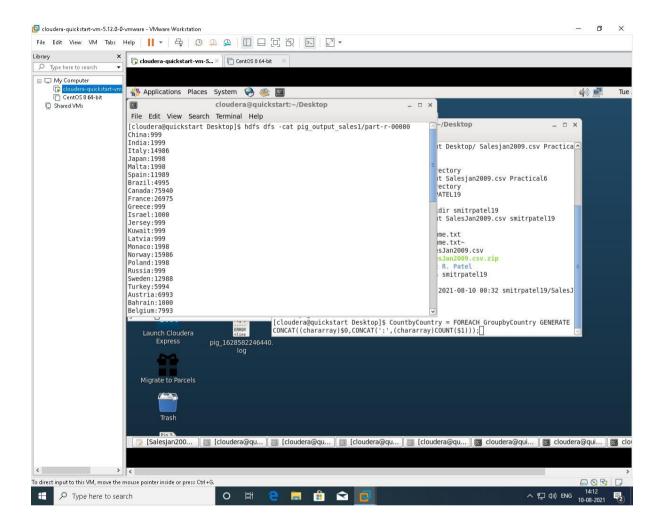




Final Step:-

new terminal and type -->

\$hdfs dfs -cat pig_output_sales1/part-r-00000



Conclusion:-

Here, In this practical we learn load the file with all content – data and sort group data by field country after we generate results we show data flow in the directory 'pig_output _sales' and on hdfs, we get success all map reduce work flow and get final output.