RESEARCH ARTICLE

STOCK EXCHANGE ANALYSIS.

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Manuscript Info	Abstract
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	Stock exchange is that place where trading of shares is done in terms of sales and purchase.The purpose of our project is to create a software that analyze the previous stock data of certain companies with the help of certain software like java, visual basics .Net etc.., The procedure after obtaining different stock market analysis based upon different factors like inflation, dollar, other economic factors etc.., we need to apply different data obtaining algorithms to check which data mining algorithms is efficient. The tool that is used is Hadoop. It is concluded from the study that in order to improve the index value of books, it is necessary to manage macroeconomics factors effectively. The government, banks must always keep an eye on this factor because this factors influence the price return of NSE NIFTY.

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Introduction:-
Stock exchange data holds information about the buy and sell decisions made on a share of different companies made by the customers. Stock exchange is that place where trading of shares is done in terms of sales and purchase. Stock exchanges over worldwide are:
1. New York stock exchange
2. Toronto stock exchange
3. London stock exchange
4. Bombay stock exchange

Literature survey:-
Applications frequently require more resources than are available on an inexpensive machine leading to existing and proposed systems.

Existing system:-
The existing system uses "Relational Data Base Management System" (RDMS).A relational data base management system is a type of data base management system which stores the data in the form of related tables. It had been one solution for all database needs. Oracle, IBM, and Microsoft are the leading users of RDMS.

Proposed work:-
The proposed system is developed by using "BIGDATA" that describes the holistic information management strategy that includes and integrates many new types of data and data management alongside traditional data and gives the information within a click. In this new system the entire process is categorised in to different sections like exchange,stock_symbol,stock_price_open,stock_price_high,stock_price_low,stock_price_close,stock_volume,stock
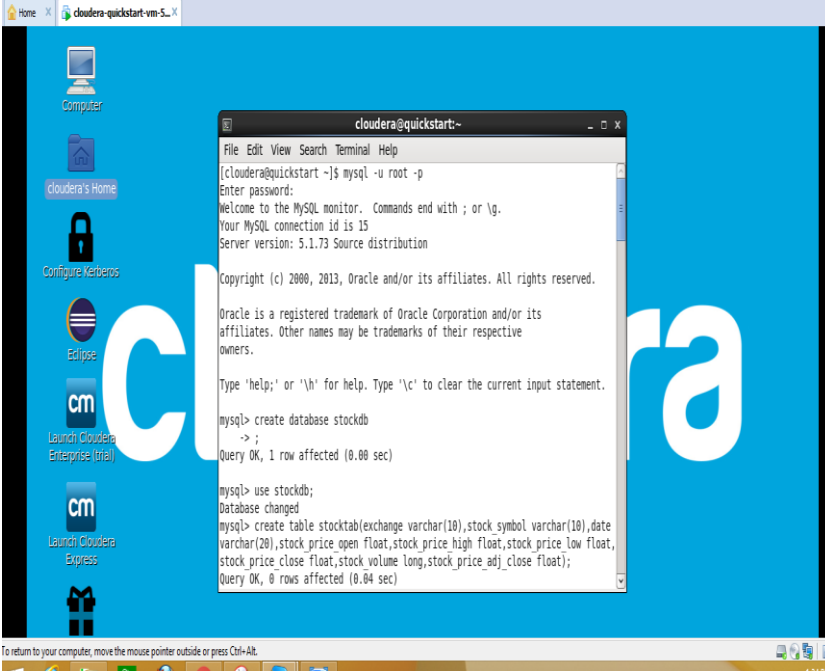
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_price_adj_close.This system produces the flexible service based architecture which will be highly desirable for future extension.

Results:-

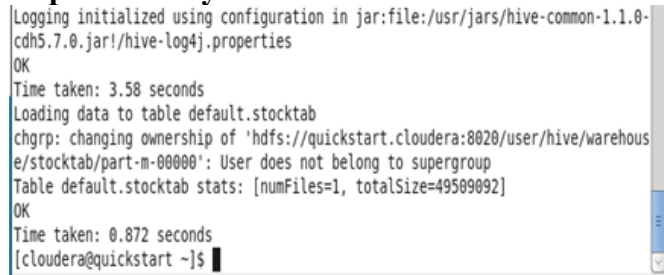Open the terminal, create the database and then create tables for all the respective data.
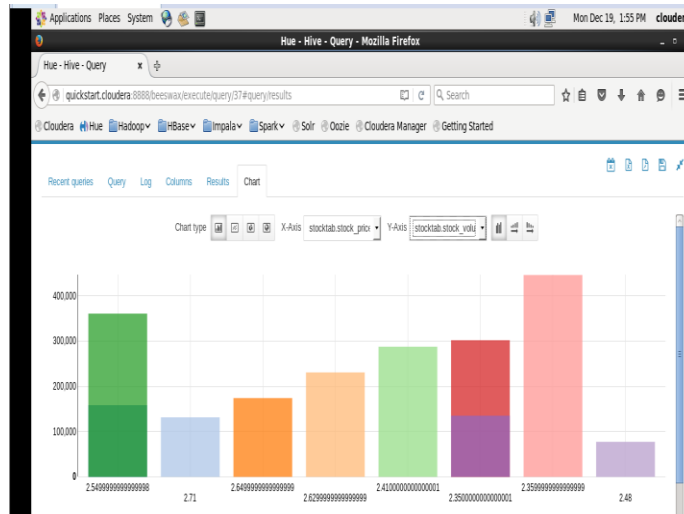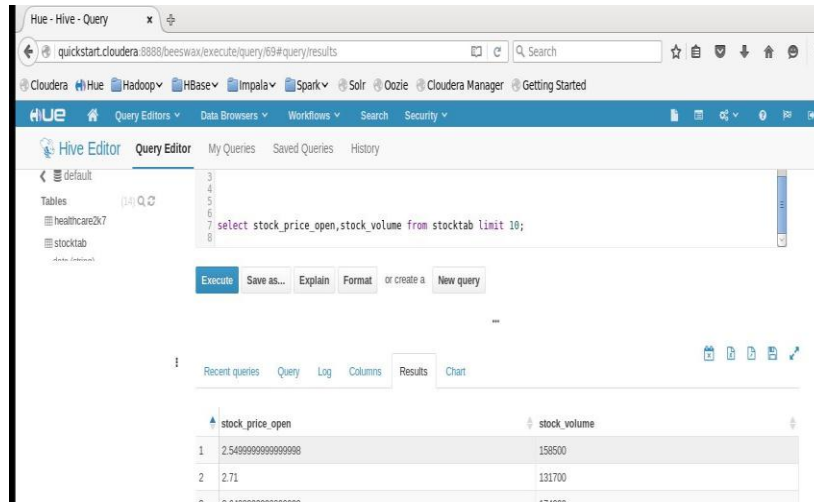
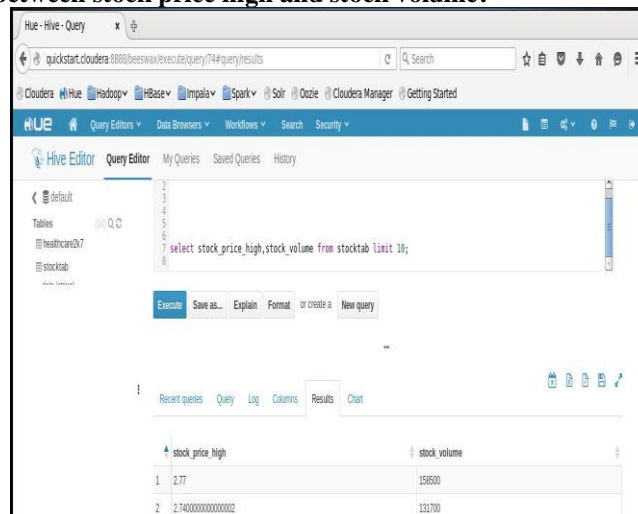**Load the data into tables:-**
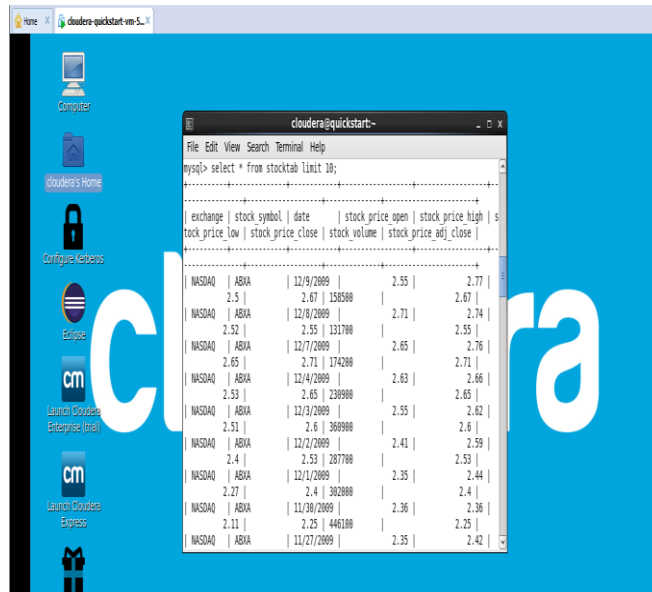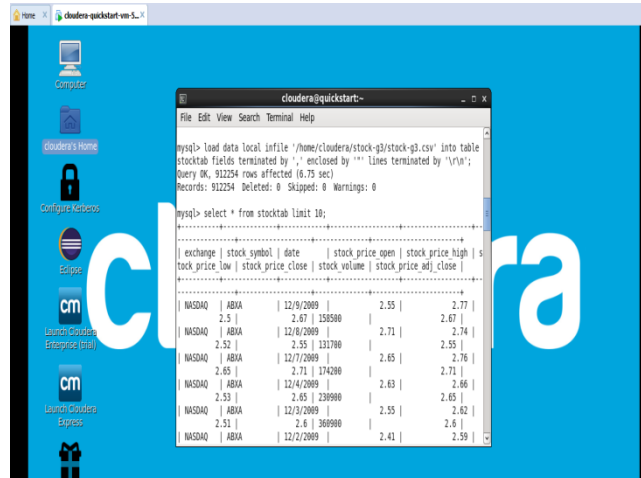
Import the data into Mysql to Hive
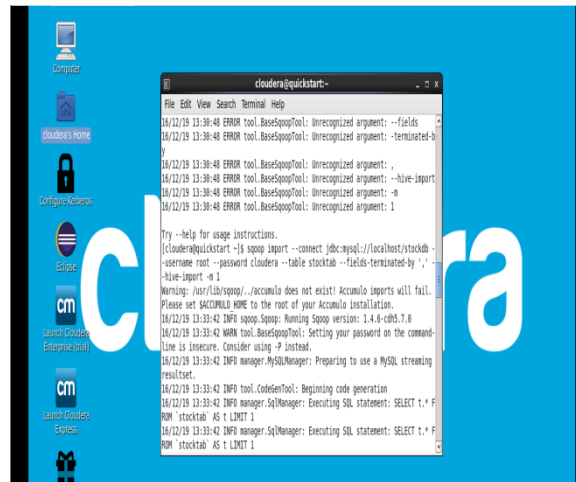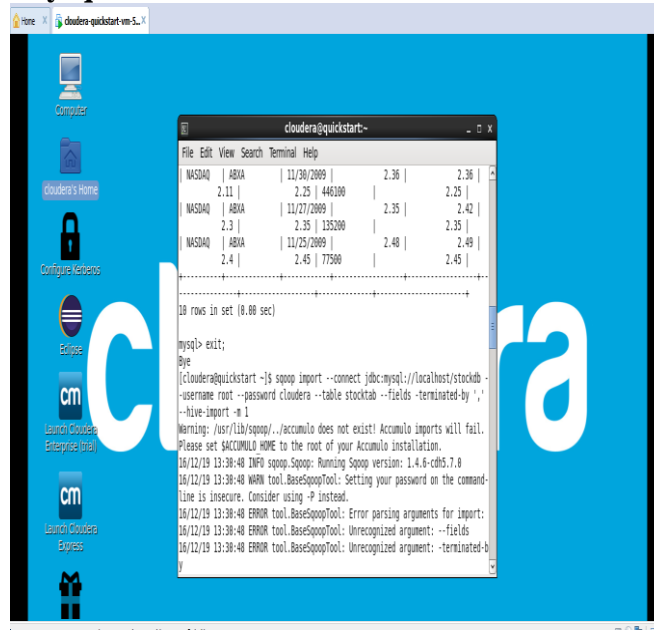
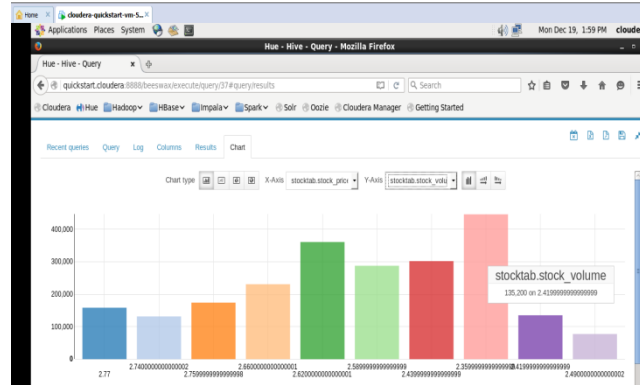**Time taken for Hive output for the year 2005**

Results:-

Representing bar graph between stock price high and stock volume:-

Conclusion:-

The study of complete work concludes that stock market have large amount of transactions and very frequent market trends. Analysis of stock market data can help to drawn market trends and help financial advisors to recommend about share broking and company investment prediction. Hadoop server and Map-Reduce Framework can help to process large amount of data with minimum overhead and better performance to perform stock market data analysis. These tools and methods are simple and should be viewed as only tool in a toolset to manage your stock or retirement portfolio. The average retail investor to begin to take control of their financial future and use the same tools that the large hedge funds and banks use to make money from the stock market.

Future Extension:-

Today, Big Data is influencing IT industry like few technologies have done before. The massive data generated from sensor-enabled machines, mobile devices, cloud computing, social media, satellites help different organizations improve their decision making and take their business to another level. We can create an app on whatever we have done till now. So that it will be useful for customers who invest in stock.

New Business Insights:-

Self-service BI and more flexible modeling capabilities. Faster Business Processes.

References:-

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