**Main SQL Queries used in the project:**

1. Select c.Company\_Name,c.Stock\_Symbol,E.Stock\_ExchangeName,T.Start\_TradingDate,T.End\_TradingDate,

max(p.High) as High, max(p.Volume) as Volume from companyname as c left join price as p on c.Stock\_Symbol=p.Symbol

left join timeframe as T on T.Company\_Symbol=c.Stock\_Symbol

left join Exchangestock as E on E.Symbol=c.Stock\_Symbol where c.Stock\_Symbol=’ibm’

1. Select Price\_Open,Price\_Close, TradingDate,Volume, Low, High, Company\_Name,Stock\_ExchangeName FROM (SELECT p.TradingDate,p.Price\_Open,p.Volume,p.Price\_Close,p.Low,p.High,e.Company\_Name,e.Stock\_ExchangeName FROM price p left join exchangestock e on e.Symbol=p.Symbol

where e.Symbol=’ibm’

ORDER BY p.TradingDate DESC LIMIT 10)Var1

ORDER BY TradingDate ASC;

3.

Select Stock\_ExchangeName,count(\*)\*100/t.Total as Percentage from exchangestock

cross join (select count(\*) as Total from exchangestock ) t where Stock\_ExchangeName like'AMEX%'

union

Select Stock\_ExchangeName, count(\*)\*100/t.Total as Percentage from exchangestock

cross join (select count(\*) as Total from exchangestock ) t where Stock\_ExchangeName like'NYSE%'

union

select Stock\_ExchangeName,count(\*)\*100/t.Total as Percentage from exchangestock

cross join (select count(\*) as Total from exchangestock ) t where Stock\_ExchangeName like'NASDAQ%'

4.

SELECT CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', day(TradingDate)) as tdate ,

TRUNCATE((Price\_Open),2) as price\_Close, TRUNCATE((price\_Close),2) as Price\_Open,TRUNCATE((Low),2) as Low,TRUNCATE((High),2) as High"+

FROM

(

SELECT TradingDate, QUARTER(TradingDate) as \_quarter,

Price\_Open,price\_Close,Low,High"

FROM Price where symbol=? and year(TradingDate)=

(Select max(year(TradingDate)) from price where symbol=?) and QUARTER(TradingDate)=4

) AS sub\_query

GROUP BY TradingDate;

5. select year(TradingDate) as TYear, max(High) as highPrice from price where symbol=? group by year(TradingDate)

6.

SELECT CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', day(TradingDate)) as tdate,

AVG (Price\_Open) OVER (ORDER BY TradingDate RANGE INTERVAL ? DAY PRECEDING) as mvgPrice

FROM price

WHERE symbol=? and year(TradingDate)=(select max(year(TradingDate)) from price where symbol=?)

order by TradingDate;

7.

SELECT CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', year(TradingDate)) as tdate,

AVG (Price\_Open) OVER (ORDER BY TradingDate RANGE INTERVAL ? DAY PRECEDING) as mvgPrice FROM price

WHERE symbol=? and year(TradingDate) between (select year(max(TradingDate))-1 from price where symbol=?) and (select year(max(TradingDate)) from price where symbol=?)

order by TradingDate;

8.

SELECT CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', year(TradingDate)) as tdate,

AVG (Price\_Open) OVER (ORDER BY TradingDate RANGE INTERVAL ? DAY PRECEDING) as mvgPrice FROM price

WHERE symbol=? and year(TradingDate) between (select year(max(TradingDate))-4 from price where symbol=?) and (select year(max(TradingDate)) from price where symbol=?)

order by TradingDate;

9.

select CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', day(TradingDate)) as tdate,

Price\_Open from price where symbol=? and year(TradingDate)=(select max(year(TradingDate)) from price where symbol=?)

10.

select CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', year(TradingDate)) as tdate,

Price\_Open from price where symbol=? and year(TradingDate) between (select year(max(TradingDate))-1 from price where symbol=?) and (select year(max(TradingDate)) from price where symbol=?)

11.

select CONCAT(DATE\_FORMAT(TradingDate,'%b'),'-', year(TradingDate)) as tdate,

Price\_Open from price where symbol=? and year(TradingDate) between (select year(min(TradingDate)) from price where symbol=?) and (select year(max(TradingDate)) from price where symbol=?);

12. select

CONCAT(year(TradingDate),'-',DATE\_FORMAT(TradingDate,'%b'),'-', day(TradingDate)) as tdate,

TRUNCATE((Price\_Open),2) as price\_Close,

TRUNCATE((price\_Close),2) as Price\_Open,

TRUNCATE((Low),2) as Low,

TRUNCATE((High),2) as High

from price where symbol=? and (tradingdate) between ‘2006-12-01’ and ‘2006-12-29’ ;

13. select CONCAT(year(TradingDate),'-',DATE\_FORMAT(TradingDate,'%b'),'-', day(TradingDate)) as tdate,

volume

from price where symbol=? and (tradingdate) between ‘2006-12-01’ and ‘2006-12-29’ ;