**Case Study 2**

**1. Extract the year from the date column.**

select year(ymd) from nyse group by year(ymd);

**2. Find the highest stock closing price.**

Select max(price\_close) from nyse;

**3. On which date the difference b/w opening and closing prices hit a minimum?**

SELECT ymd FROM nyse n WHERE (n.price\_open-n.price\_close) IN (SELECT min(price\_open-price\_close) min FROM nyse);

**4. Find the closing stock price for every stock.**

select symbol, price\_close from nyse group by symbol, price\_close

**5. Find the avg stock price for every stock.**

select symbol, avg(price\_high+price\_low/2) from nyse group by symbol;

**6. Find the number of stocks which went up, down or no change**

SELECT symbol, ymd, case when net > 0 then 'UP' WHEN net < 0 then 'DOWN' else 'NO CHANGE' end status\_day FROM (SELECT symbol ,ymd, (price\_open – price\_low) net FROM nyse) RES;

**7. For every stock symbol find the monthly average of the stock closing price having a dip in the average hitting below 50**

select symbol , mean from (select symbol,avg(price\_close) as mean from nyse group by symbol, month(ymd)) as b where mean <50;

**8. Find the stock symbol corresponding to max stock closure price**

SELECT symbol FROM nyse n WHERE n.price\_close IN (SELECT max(price\_close) FROM nyse);