

41_FAANG Stock Min-Max (Part 1) Medium - Solution

Source - <https://datalemur.com/questions/sql-bloomberg-stock-min-max-1>

- Analyzing the highest and lowest open prices for each FAANG stock by month over the years
- For each FAANG stock, display the ticker symbol, the month and year ('Mon-YYYY') with the corresponding highest and lowest open prices
- Ensure that the results are sorted by ticker symbol

Now below is the final code,

```
WITH main_CTE AS (SELECT *,
DENSE_RANK() OVER(
    PARTITION BY ticker
    ORDER BY open DESC
) AS highest_open_rank,
DENSE_RANK() OVER(
    PARTITION BY ticker
    ORDER BY open ASC
) AS lowest_open_rank
FROM stock_prices),

high_CTE AS (SELECT ticker,
TO_CHAR(date, 'Mon-YYYY') AS highest_mth,
open AS highest_open
FROM main_CTE
WHERE highest_open_rank=1),

low_CTE AS (SELECT ticker,
TO_CHAR(date, 'Mon-YYYY') AS lowest_mth,
open AS lowest_open
FROM main_CTE
```

```
WHERE lowest_open_rank=1)
```

```
SELECT high_CTE.ticker, high_CTE.highest_mth, high_CTE.highest_o  
low_CTE.lowest_mth, low_CTE.lowest_open  
FROM high_CTE  
INNER JOIN low_CTE  
ON high_CTE.ticker = low_CTE.ticker  
ORDER BY high_CTE.ticker
```

Here I first found out the highest open price by basically ranking & the same way I found the lowest open price also, then filtered the highest open price and its date and lowest open price and its date and joined both tables

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