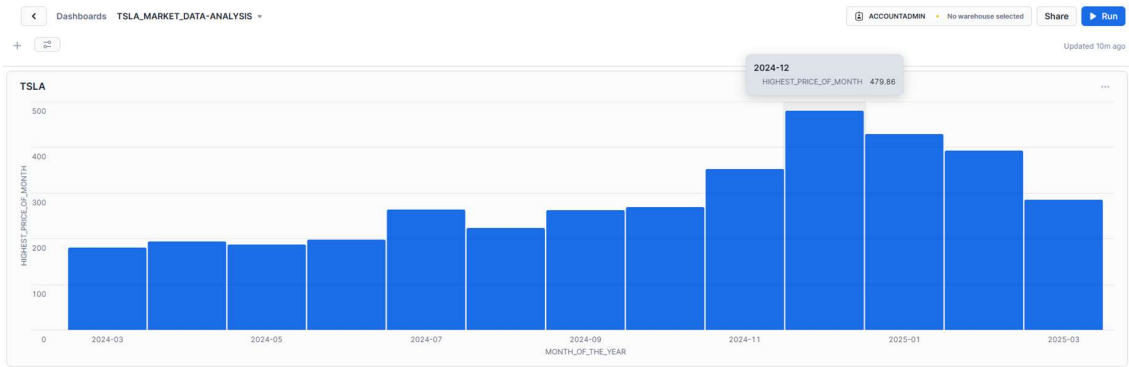


Stock Market Data Analysis

1) In which month of the year 2024 did TSLA have the highest closing price?

```
SELECT TICKER,
        TO_CHAR(TRADE_DATE, 'YYYY-MM') AS MONTH_OF_THE_YEAR, MAX(CLOSE) AS
        HIGHEST_PRICE_OF_MONTH
FROM MARKET_DATA_DB.MARKET_DATA_SCH.MARKET_DATA_RPT_VW
WHERE TICKER = 'TSLA'
GROUP BY TICKER, TO_CHAR(TRADE_DATE, 'YYYY-MM')
ORDER BY MONTH_OF_THE_YEAR;
```

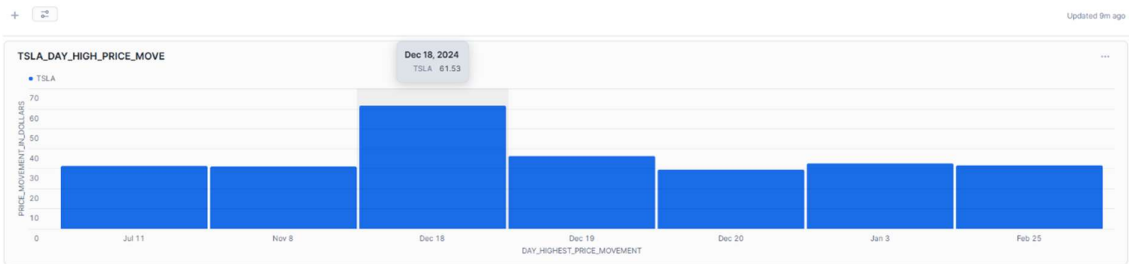
The result shows **Tesla’s** highest closing price in **December 2024**.



2) On which day of the year 2024 did Tesla's share price peak?

```
WITH TSLA_HIGHEST_PRICE_MOVEMENT AS (  
  SELECT TICKER,  
         TRADE_DATE,  
         HIGH,  
         LOW,  
         (HIGH - LOW) AS PRICE_DIFFERENCE  
  FROM MARKET_DATA_DB.MARKET_DATA_SCH.MARKET_DATA_RPT_VW  
  WHERE TICKER = 'TSLA'  
  ORDER BY PRICE_DIFFERENCE DESC  
)  
SELECT TICKER,  
       TRADE_DATE,  
       PRICE_DIFFERENCE AS DAY_HIGHEST_PRICE_MOVEMENT  
FROM TSLA_HIGHEST_PRICE_MOVEMENT LIMIT 7;
```

The result shows that **Tesla’s** traded price surged on **December 18, 2024**, with a stock movement of **\$61.53** from the previous day's closing price.



3) In which month of the year 2024 did the top tech shares peak?

```
WITH TECH_STOCK_HIGHEST_IN_DEC_2024 AS
(
SELECT TICKER,
       TO_CHAR(TRADE_DATE, 'YYYY-MM') AS MONTH_OF_THE_YEAR,
       MAX(CLOSE) AS HIGHEST_PRICE_OF_MONTH
FROM MARKET_DATA_DB.MARKET_DATA_SCH.MARKET_DATA_RPT_VW
WHERE TICKER IS NOT NULL
GROUP BY TICKER, TO_CHAR(TRADE_DATE, 'YYYY-MM')
ORDER BY MONTH_OF_THE_YEAR
)

SELECT *
FROM TECH_STOCK_HIGHEST_IN_DEC_2024
WHERE MONTH_OF_THE_YEAR = '2024-12';
```

The result shows that the top Tech shares reached their highest traded price in December 2024.

