n [2]:
```
import pandas as pd
import yfinance as yf
import matplotlib.pyplot as plt
```

n [3]:
```
# Get the Tesla stock data
tesla_data = yf.Ticker("TSLA").history(period="1y", interval="1d")
```

n [4]:
```
# Display the first 5 rows
tesla_data.head()
```

Out[4]:

| Date | Open | High | Low | Close | Volume | Dividends | Stock Splits |
|---|---|---|---|---|---|---|---|
| 2023-03-29 00:00:00-04:00 | 193.130005 | 195.289993 | 189.440002 | 193.880005 | 123660000 | 0.0 | 0.0 |
| 2023-03-30 00:00:00-04:00 | 195.580002 | 197.330002 | 194.419998 | 195.279999 | 110252200 | 0.0 | 0.0 |
| 2023-03-31 00:00:00-04:00 | 197.529999 | 207.789993 | 197.199997 | 207.460007 | 170222100 | 0.0 | 0.0 |
| 2023-04-03 00:00:00-04:00 | 199.910004 | 202.690002 | 192.199997 | 194.770004 | 169545900 | 0.0 | 0.0 |
| 2023-04-04 00:00:00-04:00 | 197.320007 | 198.740005 | 190.320007 | 192.580002 | 126463800 | 0.0 | 0.0 |

n [6]:
```
# Save the dataframe to a CSV file

tesla_data.to_csv('tesla_data.csv', index=False)
```

n [7]:
```
# Reset the index

tesla_data.reset_index(drop=True, inplace=True) # Display the first 5 rows again tesla_data.head()
```

n [8]: