

Question 5: Plot Tesla Stock Graph

Use the `make_graph` function to graph the Tesla Stock Data, also provide a title for the graph. Note the graph will only show data upto June 2021.

▼ Hint

You just need to invoke the `make_graph` function with the required parameter to print the graphs. The structure to call the `'make_graph'` function is `'make_graph(tesla_data, tesla_revenue, 'Tesla')'`.

```
!pip install matplotlib...
```

```
[24]: import yfinance as yf
import matplotlib.pyplot as plt # Import matplotlib

# Step 1: Fetch Tesla stock data using yfinance
tesla_ticker = yf.Ticker("TSLA")
tesla_data = tesla_ticker.history(period="max") # Get the maximum available data

# Step 2: Filter the data up to June 2021
tesla_data = tesla_data[tesla_data.index <= '2021-06-30']

# Step 3: Define the make_graph function
def make_graph(stock_data, title):
    plt.figure(figsize=(10, 6)) # Set figure size
    plt.plot(stock_data.index, stock_data['Close'], label="Tesla Close Price", color='blue') # Plot close price
```

