

## Finance line chart with correct tesla DataFrame

### Hint

Have you checked if you are using the correct data from the tesla DataFrame? It seems like you are redefining the tesla DataFrame with sample data, which might not be necessary.

- Ensure you are using the original tesla DataFrame.
- Remove or comment out the redefinition of the tesla DataFrame with sample data.

### Hint Explanation

This hint suggests verifying that the tesla DataFrame is already provided in the environment. Redefining it with sample data is unnecessary and could overwrite the original data. You should work directly with the existing tesla DataFrame.

### Answer

Here is the solution using the original tesla DataFrame:

```
```python
# Assuming the tesla DataFrame already exists with columns 'Date' and 'Open'
# Make sure you are using the correct tesla DataFrame provided in your environment

# Import necessary library
import plotly.express as px

# Define the buttons
fin_buttons = [
    {'count': 7, 'label': '1WTD', 'step': 'day', 'stepmode': 'todate'},
    {'count': 6, 'label': '6MTD', 'step': 'month', 'stepmode': 'todate'},
    {'count': 1, 'label': 'YTD', 'step': 'year', 'stepmode': 'todate'}
]

# Create the line chart
fig = px.line(data_frame=tesla, x='Date', y='Open', title='Tesla Opening
Stock Prices')

# Add the date range buttons and update layout
fig.update_layout(
```

```
    {'xaxis': {'rangeselector': {'buttons': fin_buttons}}}  
)
```

```
# Show the chart  
fig.show()  
``
```

### Answer Explanation

1. The code assumes that the tesla DataFrame is already defined in the environment with the correct columns ('Date' and 'Open').
2. The unnecessary redefinition of the tesla DataFrame is removed to prevent overwriting the original data.
3. The buttons ('1WTD', '6MTD', 'YTD') provide filtering functionality to interact with the chart dynamically.