In [ ]:
```
import pandas as pd
import pathlib
import yfinance as yf
import matplotlib.pyplot as plt
import seaborn as sns
```

In [ ]:
```
path = pathlib.Path('D:\Data Science\Real-Time-Data-Analysis\data\\raw\data.csv')

data = pd.read_csv(path)
```

In [ ]:
```
data.head()
```

Out[ ]:

	index	Open	High	Low	Close	Adj Close	Volume
0	2022-08-01 09:30:00	19.360001	19.525000	19.350000	19.455000	19.455000	1543009
1	2022-08-01 10:30:00	19.459999	19.620001	19.450001	19.620001	19.620001	781953
2	2022-08-01 11:30:00	19.610001	19.620001	19.504999	19.525000	19.525000	613057
3	2022-08-01 12:30:00	19.525000	19.540001	19.480000	19.495001	19.495001	734559
4	2022-08-01 13:30:00	19.500000	19.540001	19.480000	19.530001	19.530001	1195479

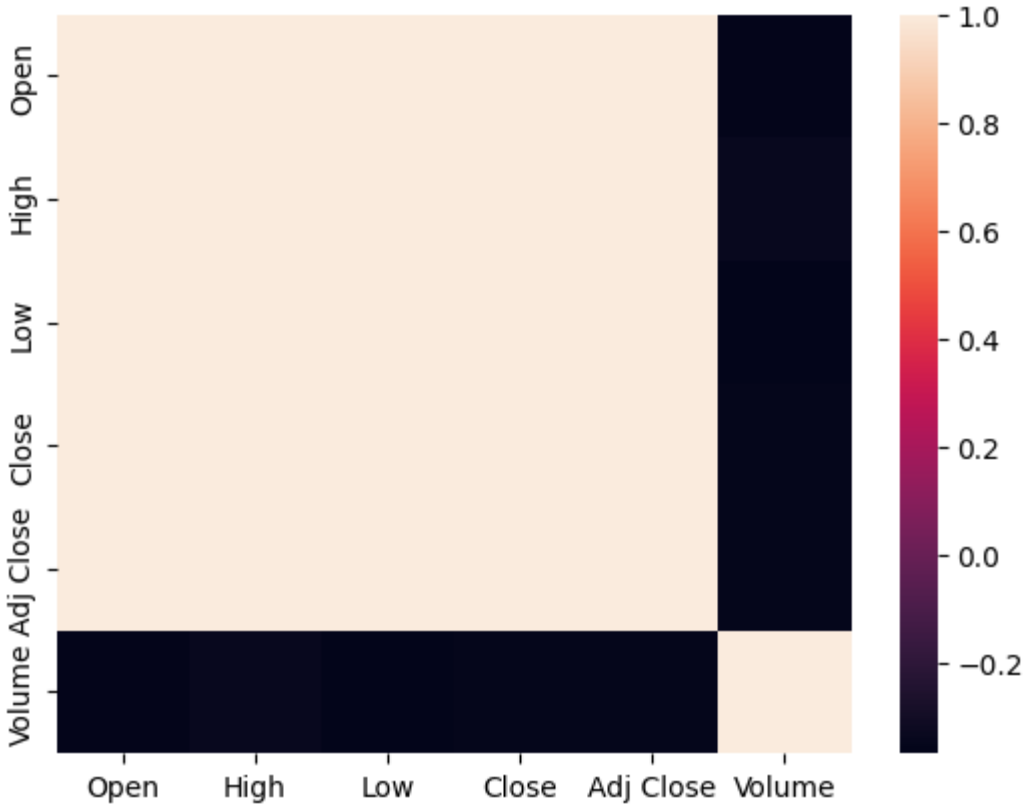
In [ ]:
```
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 455 entries, 0 to 454
Data columns (total 7 columns):
 #   Column     Non-Null Count  Dtype  
---  ------     --------------  -----  
 0   index      455 non-null    object 
 1   Open       455 non-null    float64
 2   High       455 non-null    float64
 3   Low        455 non-null    float64
 4   Close      455 non-null    float64
 5   Adj Close  455 non-null    float64
 6   Volume     455 non-null    int64  
dtypes: float64(5), int64(1), object(1)
memory usage: 25.0+ KB
```

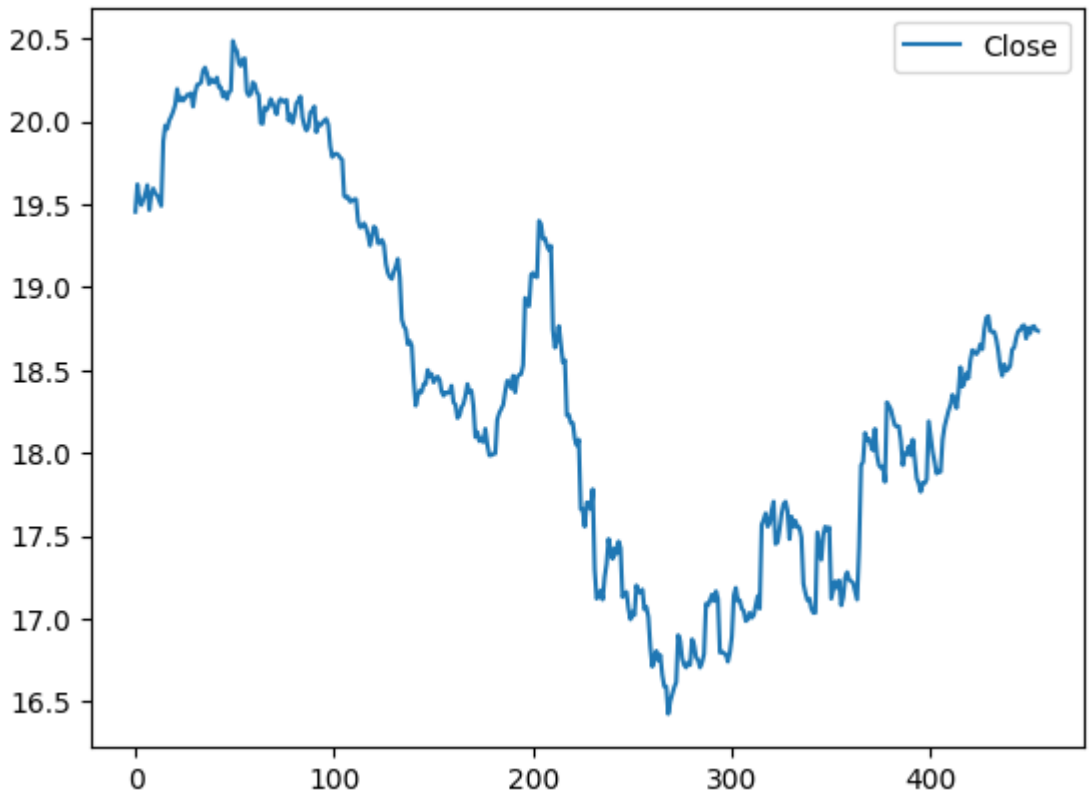
In [ ]:
```
cor = data.corr()
sns.heatmap(cor)
```

```
C:\Users\walde\AppData\Local\Temp\ipykernel_19856\767489061.py:1: FutureWarning: The default value of numeric_only in DataFrame.corr is deprecated. In a future version, it will default to False. Select only valid columns or specify the value of numeric_only to silence this warning.
  cor = data.corr()
```

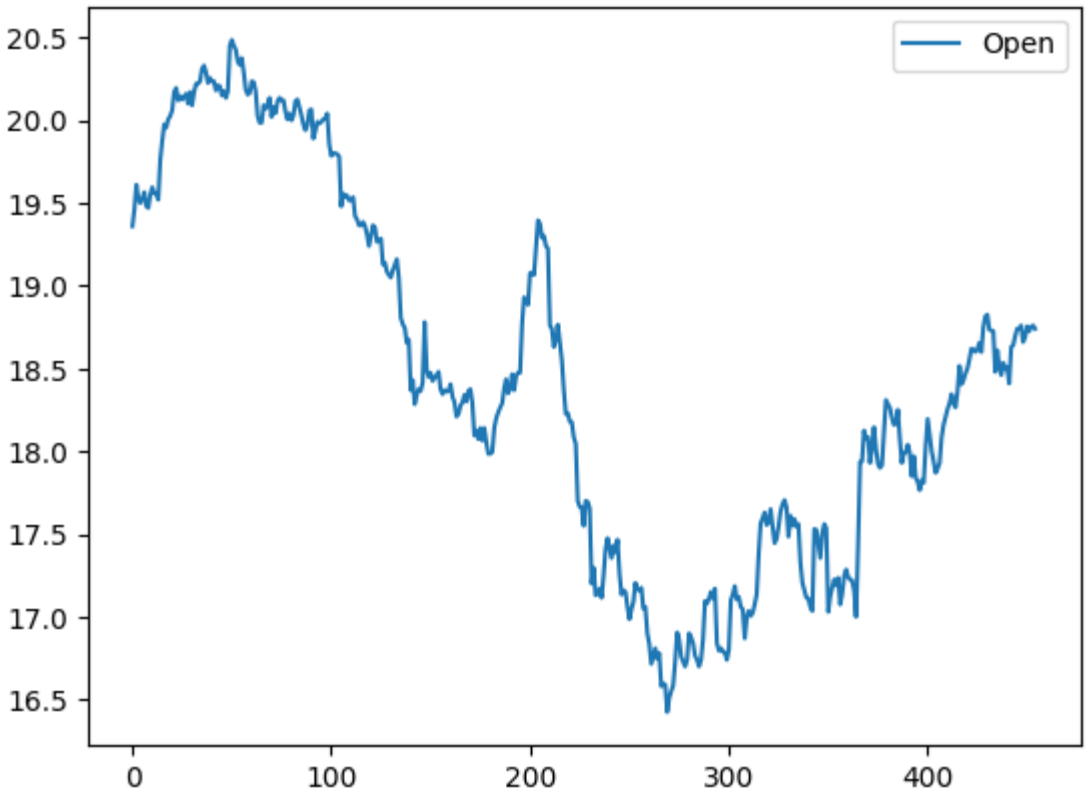
Out[ ]:
```
<AxesSubplot: >
```



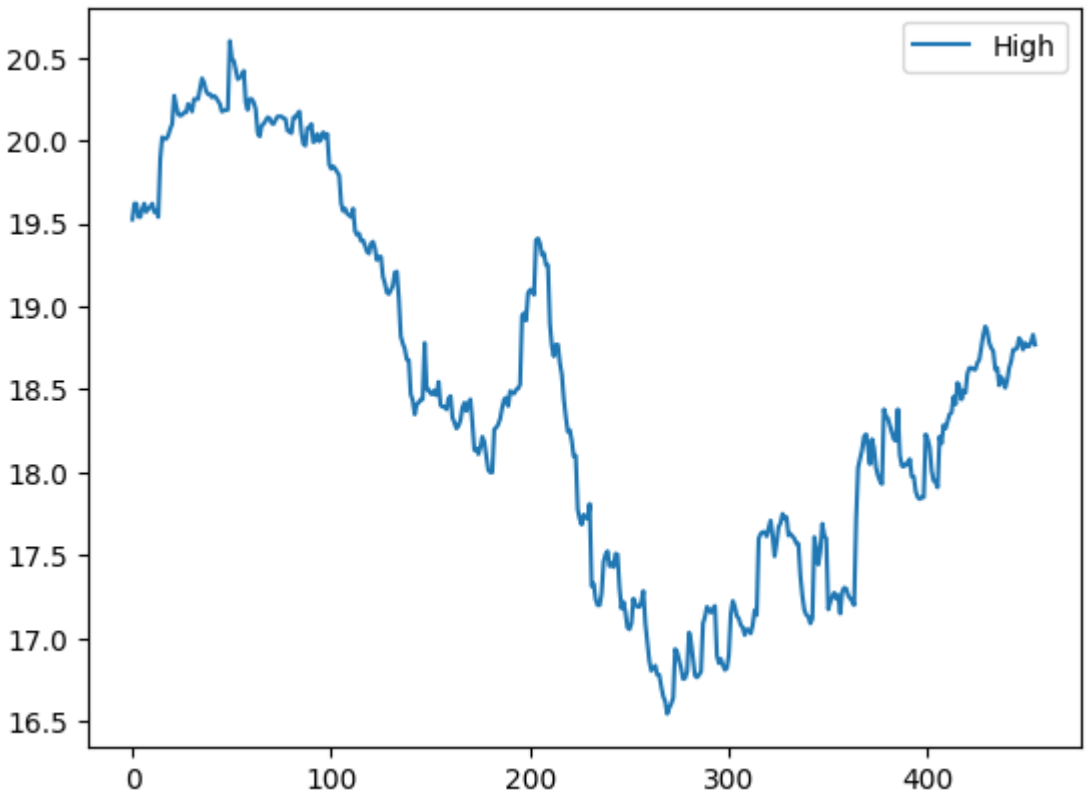
In [ ]:
```
data[['index','Close']].plot()
plt.show()
```



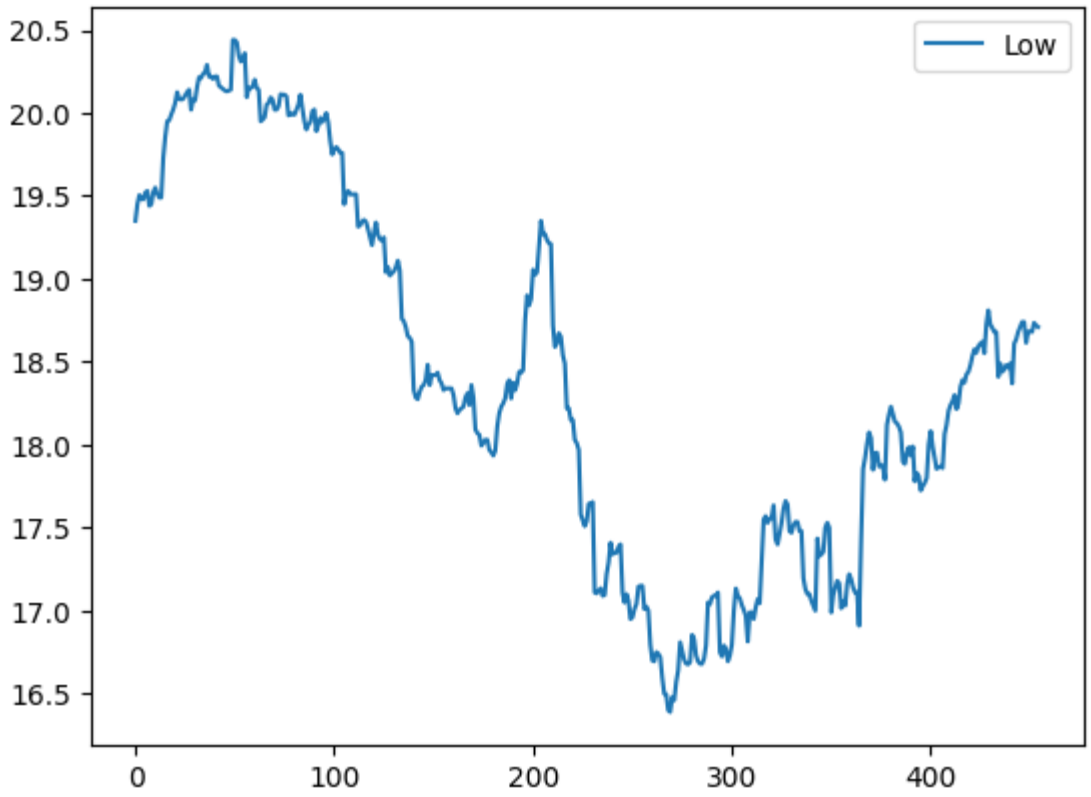
In [ ]:
```
data[['index','Open']].plot()
plt.show()
```



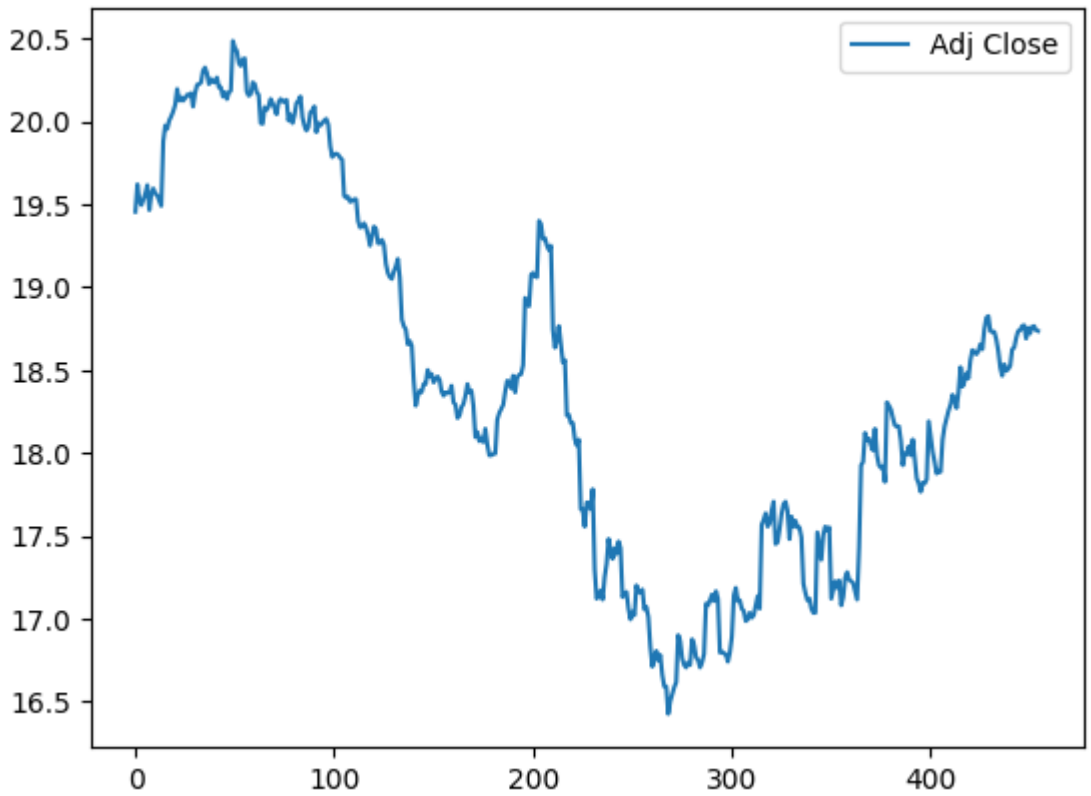
In [ ]:
```
data[['index','High']].plot()
plt.show()
```



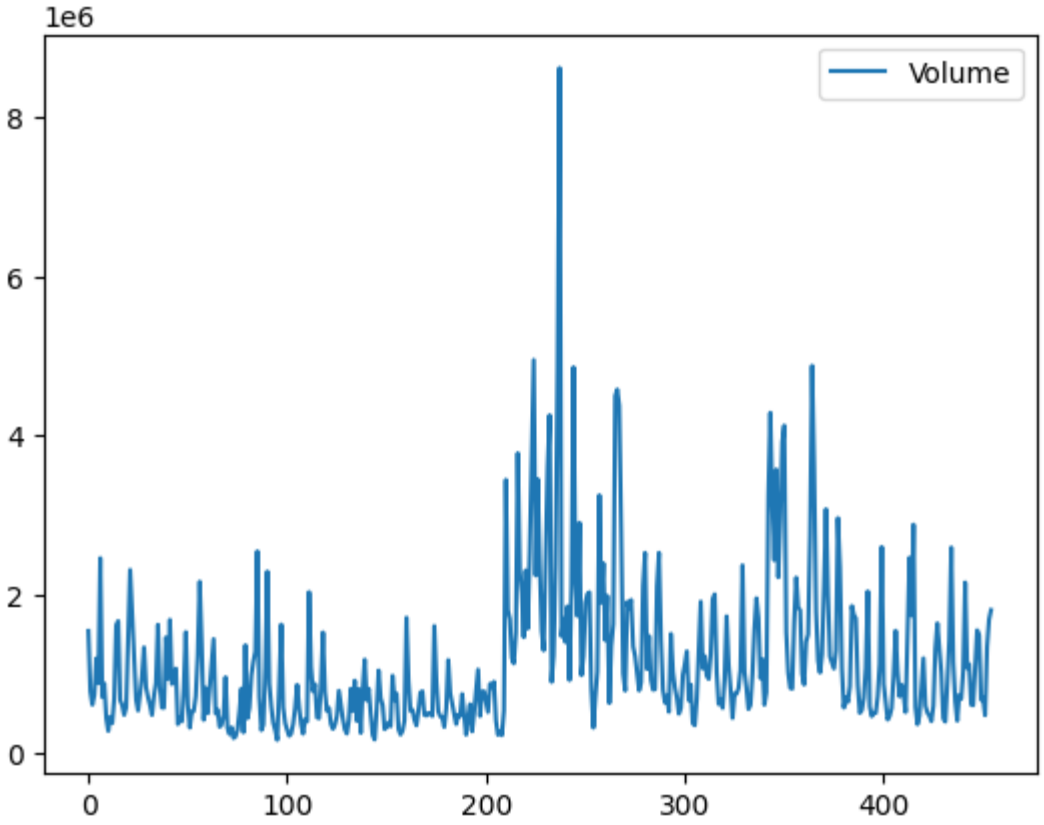
In [ ]:
```
data[['index','Low']].plot()
plt.show()
```



In [ ]:
```
data[['index','Adj Close']].plot()
plt.show()
```



In [ ]:
```
data[['index','Volume']].plot()
plt.show()
```



We can remove 'Volume' feature as there is no correlation and trend with 'Close' feature.