```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns


from google.colab import drive
drive.mount('/content/gdrive')
```

```
Drive already mounted at /content/gdrive; to attempt to forcibly remount, call drive.mount("/content/gdrive", force_remount=True).
```

```
data2 = pd.read_csv('gdrive/My Drive/DataBCA_5tahun.csv')


print(data2)
```

```
             Date     Month  Year  ...    Close    Adj Close      Volume
0     11/24/2014  November  2014  ...  13275.0  12520.87305  15453800.0
1     11/25/2014  November  2014  ...  13250.0  12497.29395  16735700.0
2     11/26/2014  November  2014  ...  13225.0  12473.71387   6002200.0
3     11/27/2014  November  2014  ...  13100.0  12355.81543  15265700.0
4     11/28/2014  November  2014  ...  13100.0  12355.81543   8120300.0
...          ...       ...   ...  ...      ...          ...         ...
1259  11/15/2019  November  2019  ...  31375.0  31375.00000   9427600.0
1260  11/18/2019  November  2019  ...      NaN          NaN         NaN
1261  11/19/2019  November  2019  ...  31575.0  31575.00000  12023000.0
1262  11/20/2019  November  2019  ...  31750.0  31750.00000   8645900.0
1263  11/21/2019  November  2019  ...  31500.0  31500.00000  11504700.0

[1264 rows x 9 columns]
```

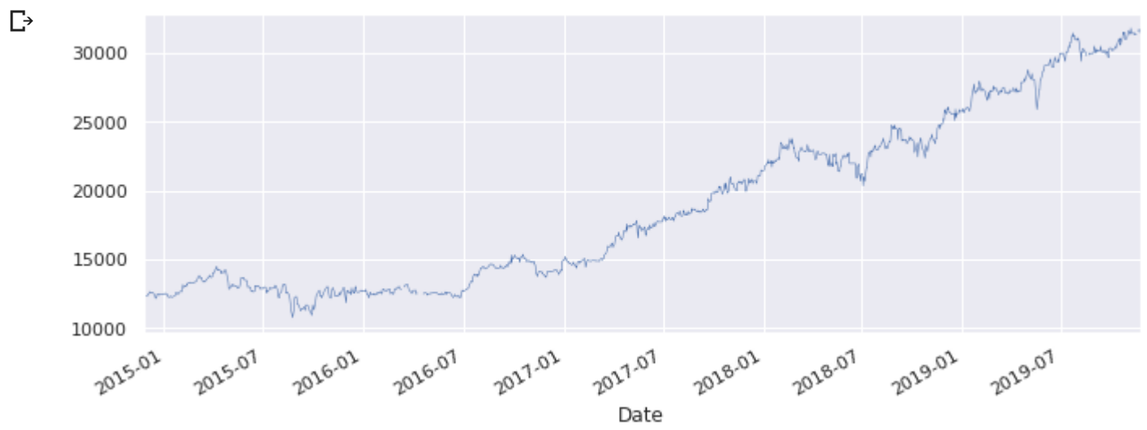
Double-click (or enter) to edit

```
data2['Date'] = pd.to_datetime(data2['Date'])
print(data2)
```

```
             Date     Month  Year  ...    Close    Adj Close      Volume
0    2014-11-24  November  2014  ...  13275.0  12520.87305  15453800.0
1    2014-11-25  November  2014  ...  13250.0  12497.29395  16735700.0
2    2014-11-26  November  2014  ...  13225.0  12473.71387   6002200.0
3    2014-11-27  November  2014  ...  13100.0  12355.81543  15265700.0
4    2014-11-28  November  2014  ...  13100.0  12355.81543   8120300.0
...         ...       ...   ...  ...      ...          ...         ...
1259 2019-11-15  November  2019  ...  31375.0  31375.00000   9427600.0
1260 2019-11-18  November  2019  ...      NaN          NaN         NaN
1261 2019-11-19  November  2019  ...  31575.0  31575.00000  12023000.0
1262 2019-11-20  November  2019  ...  31750.0  31750.00000   8645900.0
1263 2019-11-21  November  2019  ...  31500.0  31500.00000  11504700.0

[1264 rows x 9 columns]
```

```
data2 = data2.set_index('Date')


sns.set(rc={'figure.figsize':(11, 4)})
```

```
adj_close = data2['Adj Close']

data2.loc['2014': '2019', 'Adj Close'].plot(linewidth=0.5);
```




```
fig = plt.figure(figsize=(25,17))
fig.suptitle ('BBCA Stock price comparison 2014 - 2019')

ax1 = fig.add_subplot(231)
ax1.set_title('2014')
ax1 = data2.loc['2014', 'Adj Close'].plot()
ax1.set_ylabel('BBCA stock price in rupiah');

ax2 = fig.add_subplot(232)
ax2.set_title('2015')
ax2 = data2.loc['2015', 'Adj Close'].plot()
ax2.set_ylabel('BBCA stock price in rupiah');

ax3 = fig.add_subplot(233)
ax3.set_title('2016')
ax3 = data2.loc['2016', 'Adj Close'].plot()
ax3.set_ylabel('BBCA stock price in rupiah');

ax4 = fig.add_subplot(234)
ax4.set_title('2017')
ax4 = data2.loc['2017', 'Adj Close'].plot()
ax4.set_ylabel('BBCA stock price in rupiah');

ax5 = fig.add_subplot(235)
ax5.set_title('2018')
ax5 = data2.loc['2018', 'Adj Close'].plot()
ax5.set_ylabel('BBCA stock price in rupiah');

ax6 = fig.add_subplot(236)
ax6.set_title('2019')
ax6 = data2.loc['2019', 'Adj Close'].plot()
ax6.set_ylabel('BBCA stock price in rupiah');
```


BBCA Stock price comparison 2014 - 2019
2014
2015
2016
2017
2018
2019
BBCA stock price in rupiah
Date