In [1]:
```
%matplotlib inline
import matplotlib.pyplot as plt
import pandas as pd
```

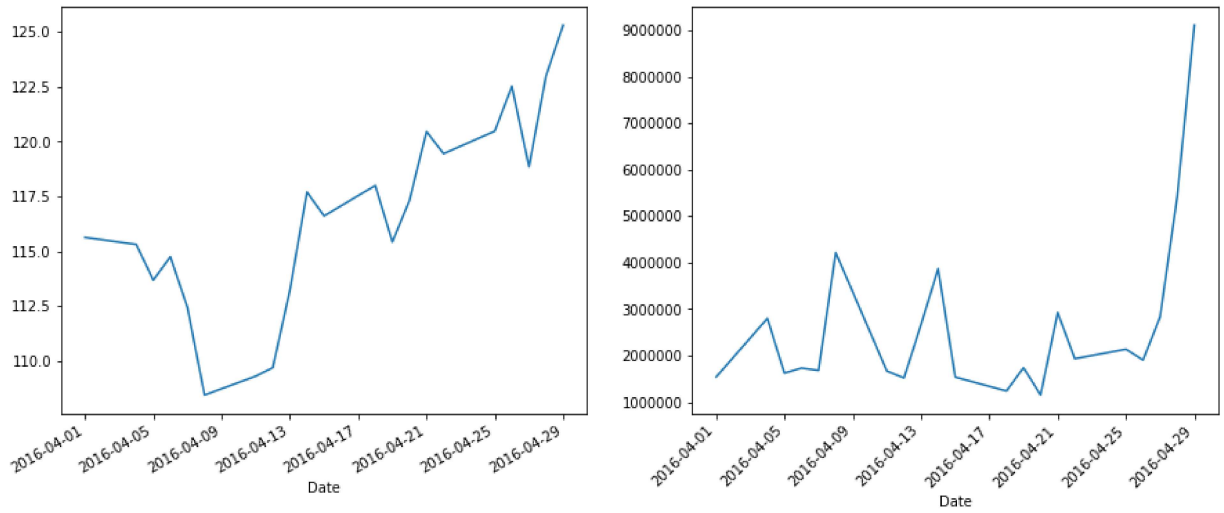
In [3]:
```
df = pd.read_csv('C:/Users/danal/Desktop/Ex_Files_Data_Science_Python/Exercise Fi
df.head()
```

Out[3]:

Date	Open	High	Low	Close	Volume
2016-12-07	195.95	195.98	195.94	195.96	3024607
2016-12-06	195.28	195.95	195.26	195.94	4005017
2016-12-05	195.25	195.40	195.25	195.25	1184931
2016-12-02	195.25	195.35	195.17	195.20	1520838
2016-12-01	195.22	195.40	195.14	195.31	1683012

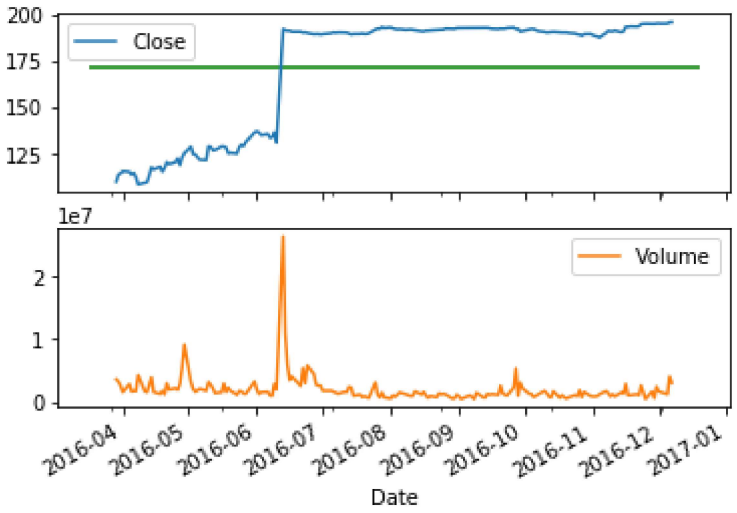
In [5]:
```
fig, (ax1, ax2) = plt.subplots(1, 2, figsize=(15, 6))
df.loc['2016-04', 'Close'].plot(ax=ax1)
df.loc['2016-04', 'Volume'].plot(ax=ax2, rot=45)
```

Out[5]: <matplotlib.axes._subplots.AxesSubplot at 0x1916db19ac8>



In [6]:
```
cax, vax = df[['Close', 'Volume']].plot(subplots=True)
xmin, xmax = cax.get_xlim()
cax.hlines(df['Close'].mean(), xmin, xmax, color='green')
```

Out[6]:
```
<matplotlib.collections.LineCollection at 0x1916dc550c8>
```



In [7]:
```
from ipywidgets import interact
```

In [8]:
```
import numpy as np
```

In [10]:
```
@interact(limit=6)
def plot_sin(limit):
    xs = np.linspace(-limit, limit, 100)
    plt.plot(xs, np.sin(xs), label='sin(x) [{} - {}]'.format(-limit, limit))
    plt.show()
```

limit 4