```
import pandas as pd

def test_run():
    """Function called by Test Run."""
    df = pd.read_csv("data/AAPL.csv")
    print df.head()

if --name_- == "--main_-":
    test_run()
```

Listing 1: Python example

Read and Slicing data

Listing 2: Python example

Return the statistics

```
1 # calculate the maximun
  """Compute max price"""
3
  import pandas as pd
5
  def get_max_close(symbol):
        ""Return the max closing value for stock indicated by symbol.
8
9
       Note: Data for a stock is stored in file: data/<symbol>.csv
10
11
       df = pd.read_csv("data/{}.csv".format(symbol)) # read in data
12
       return df['close'].max()
13
       # return df['Volume'].mean()
14
15
16
17
  def test_run():
       """Function called by Test Run."""
18
       for symbol in ['AAPL', 'IBM']:
print "Max close"
19
20
21
           print symbol, get_max_close(symbol)
22
```

```
24 if __name__ == "__main__":
25 test_run()
```

Listing 3: Python example

Plot data

```
"""Plot High prices for IBM"""

import pandas as pd
import matplotlib.pyplot as plt

def test_run():
    df = pd.read_csv("data/IBM.csv")
    df['High'].plot()
    # df['Adj Close'].plot()
    plt.show() # must be called to show plots

if __name__ == "__main__":
    test_run()
```

Listing 4: Python example

Plot two columns

```
1 df [[ 'Adj Close', 'High']]]. plot()
```

Listing 5: Python example

Listing 6: Python example

Listing 7: Python example

Listing 8: Python example

Listing 9: Python example

Listing 10: Python example

Listing 11: Python example

Listing 12: Python example

Listing 13: Python example

Listing 14: Python example

Listing 15: Python example

Listing 16: Python example

Listing 17: Python example

Listing 18: Python example

Listing 19: Python example

Listing 20: Python example

Listing 21: Python example

Listing 22: Python example

Listing 23: Python example

Listing 24: Python example

Listing 25: Python example

Listing 26: Python example

Listing 27: Python example

Listing 28: Python example

Listing 29: Python example

Listing 30: Python example