Equal-Weight S&P 500 Index Fund

Introduction & Library Imports

The S&P 500 is the world's most popular stock market index. The largest fund that is benchmarked to this index is the SPDR® S&P 500® ETF Trust. It has more than US\$250 billion of assets under management.

The goal of this section of the course is to create a Python script that will accept the value of your portfolio and tell you how many shares of each S&P 500 constituent you should purchase to get an equal-weight version of the index fund.

Library Imports

3

4

496

497

498

AAPL

ABBV

YUM ZBH

ZBRA

The first thing we need to do is import the open-source software libraries that we'll be using in this tutorial.

```
import numpy as np #The Numpy numerical computing library
import pandas as pd #The Pandas data science library
import requests #The requests library for HTTP requests in Python
import xlsxwriter #The XlsxWriter libarary for
import math #The Python math module
from contextlib import suppress
import matplotlib.pyplot as plt
```

Importing Our List of Stocks

The next thing we need to do is import the constituents of the S&P 500.

These constituents change over time, so in an ideal world you would connect directly to the index provider (Standard & Poor's) and pull their real-time constituents on a regular basis. 306 Paying for access to the index provider's API is outside of the scope of this course.

There's a static version of the S&P 500 constituents available here. Move this file into the starter-files folder so it can be accessed by other files in that directory.

Now it's time to import these stocks to our Jupyter Notebook file.

```
In [17]: #url='https://github.com/prashantmalan/algorthmic_trading/blob/main/sp_500_stocks.csv?raw=
stocks = pd.read_csv(r'C:\Users\user\Downloads\sp_500_stocks.csv')
print (stocks)
type(stocks)
stocks['Ticker']
Ticker
0 A
1 AAL
2 AAP
```

```
499
              ZION
        500
             ZTS
        [501 rows x 1 columns]
                 A
Out[17]:
               AAL
        2
               AAP
        3
               AAPL
             ABBV
               . . .
        496
               YUM
        497
               ZBH
        498
            ZBRA
        499
              ZION
              ZTS
        500
        Name: Ticker, Length: 501, dtype: object
```

Acquiring an API Token

Now it's time to import our IEX Cloud API token. This is the data provider that we will be using throughout this course.

API tokens (and other sensitive information) should be stored in a secrets.py file that doesn't get pushed to your local Git repository. We'll be using a sandbox API token in this course, which means that the data we'll use is randomly-generated and (more importantly) has no cost associated with it.

Click here to download your secrets.py file. Move the file into the same directory as this Jupyter Notebook before proceeding.

```
In [18]: from secrets import IEX_CLOUD_API_TOKEN
```

Making Our First API Call

Now it's time to structure our API calls to IEX cloud.

We need the following information from the API:

- Market capitalization for each stock
- Price of each stock

```
In [19]:
         symbol='AMZN'
         print(IEX CLOUD API TOKEN)
         ##IEX CLOUD API TOKEN="059b97af715d417d9f49f50b51b1c448"
         api url = f'https://sandbox.iexapis.com/stable/stock/{symbol}/quote?token={IEX CLOUD API '
         data = requests.get(api url).json()
         data
         Tpk 059b97af715d417d9f49f50b51b1c448
         {'avgTotalVolume': 67921478,
Out[19]:
         'calculationPrice': 'close',
          'change': 13.02,
          'changePercent': 0.10378,
          'close': 136.11,
          'closeSource': 'fciiolfa',
          'closeTime': 1741950376468,
          'companyName': 'Amazon.com Inc.',
          'currency': 'USD',
          'delayedPrice': 141,
```

```
'delayedPriceTime': 1733112555077,
'extendedChange': -0.09,
'extendedChangePercent': -0.00068,
'extendedPrice': 138.45,
'extendedPriceTime': 1684872336505,
'high': 144.01,
'highSource': ' uiyce51ee ddirt mapenl',
'highTime': 1680657392088,
'iexAskPrice': None,
'iexAskSize': None,
'iexBidPrice': None,
'iexBidSize': None,
'iexClose': 141,
'iexCloseTime': 1735150843602,
'iexLastUpdated': None,
'iexMarketPercent': None,
'iexOpen': 141.26,
'iexOpenTime': 1734582213596,
'iexRealtimePrice': None,
'iexRealtimeSize': None,
'iexVolume': None,
'lastTradeTime': 1676487190161,
'latestPrice': 140.01,
'latestSource': 'Close',
'latestTime': 'July 29, 2022',
'latestUpdate': 1684578166521,
'latestVolume': 149875513,
'low': 136.11,
'lowSource': 'i5lidue1rncpeeymt de a ',
'lowTime': 1673176311737,
'marketCap': 1413063819598,
'oddLotDelayedPrice': 139.42,
'oddLotDelayedPriceTime': 1715241662704,
'open': 137.75,
'openTime': 1686754505011,
'openSource': 'flifoiac',
'peRatio': 3.31,
'previousClose': 125.83,
'previousVolume': 85892456,
'primaryExchange': 'DNSQAA',
'symbol': 'AMZN',
'volume': 154711819,
'week52High': 189.65,
'week52Low': 104.88,
'ytdChange': -0.09087235459595439,
'isUSMarketOpen': False}
```

Parsing Our API Call

The API call that we executed in the last code block contains all of the information required to build our equal-weight S&P 500 strategy.

With that said, the data isn't in a proper format yet. We need to parse it first.

```
In [20]: data['latestPrice']
  data['marketCap']

Out[20]: 1413063819598
```

Adding Our Stocks Data to a Pandas DataFrame

The next thing we need to do is add our stock's price and market capitalization to a pandas DataFrame. Think of a DataFrame like the Python version of a spreadsheet. It stores tabular data.

```
In [21]:
          my columns = ['Ticker', 'Price', 'Market Capitalization', 'Number Of Shares to Buy']
          sp dataframe = pd.DataFrame(columns = my columns)
          sp dataframe
Out[21]:
           Ticker Price Market Capitalization Number Of Shares to Buy
In [22]:
          sp dataframe = sp dataframe.append(
                                                     pd.Series(['AAPL',
                                                                 data['latestPrice'],
                                                                 data['marketCap'],
                                                                 'N/A'],
                                                                index = my columns),
                                                     ignore index = True)
          sp dataframe
Out[22]:
            Ticker
                   Price Market Capitalization Number Of Shares to Buy
```

Looping Through The Tickers in Our List of Stocks

1413063819598

Using the same logic that we outlined above, we can pull data for all S&P 500 stocks and store their data in the DataFrame using a for loop.

N/A

```
In [23]:
         sp dataframe = pd.DataFrame(columns = my columns)
         print(stocks)
         for symbol in stocks['Ticker']:
             api url = f'https://sandbox.iexapis.com/stable/stock/{symbol}/quote?token={IEX CLOUD }
             print(api url)
             data = requests.get(api url).json()
             print(data)
             sp dataframe = sp dataframe.append(
                                                  pd.Series([symbol,
                                                              data['latestPrice'],
                                                              data['marketCap'],
                                                              'N/A'],
                                                             index = my columns),
                                                   ignore index = True)
             print(sp dataframe)
            Ticker
```

```
0
     A
1
      AAL
2
     AAP
3
    AAPL
    ABBV
4
      . . .
. .
496
     YUM
497
     ZBH
    ZBRA
498
    ZION
499
500
    ZTS
[501 rows x 1 columns]
```

AAPL 140.01

```
https://sandbox.iexapis.com/stable/stock/A/quote?token=Tpk 059b97af715d417d9f49f50b51b1c44
{'avgTotalVolume': 1409923, 'calculationPrice': 'close', 'change': 3.04, 'changePercent':
0.0231, 'close': 138.4, 'closeSource': 'cliafifo', 'closeTime': 1728911413904, 'companyNam
e': 'Agilent Technologies Inc.', 'currency': 'USD', 'delayedPrice': 137.88, 'delayedPriceT
ime': 1684734632567, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 13
4.2, 'extendedPriceTime': 1695176527613, 'high': 140.7, 'highSource': 'td5id ycmeeue 1i ln
apre', 'highTime': 1686110206434, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice':
None, 'iexBidSize': None, 'iexClose': 136.58, 'iexCloseTime': 1722572898957, 'iexLastUpdat
ed': None, 'iexMarketPercent': None, 'iexOpen': 133.97, 'iexOpenTime': 1669536088111, 'iex
RealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1711551
360525, 'latestPrice': 134.8, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'lat
estUpdate': 1711069069943, 'latestVolume': 2275000, 'low': 134.3, 'lowSource': 'e 1enyet51
uc didrempia', 'lowTime': 1734616345005, 'marketCap': 40650801779, 'oddLotDelayedPrice':
135.94, 'oddLotDelayedPriceTime': 1678960879748, 'open': 135.2, 'openTime': 1706585189321,
'openSource': 'aoflfici', 'peRatio': 32.76, 'previousClose': 134.31, 'previousVolume': 193
7537, 'primaryExchange': 'NSC GWC. EKENXIAOOCETH YRNK', 'symbol': 'A', 'volume': 2319059,
'week52High': 182.93, 'week52Low': 112.61, 'ytdChange': -0.13468626948725512, 'isUSMarketO
pen': False}
 Ticker Price Market Capitalization Number Of Shares to Buy
                         40650801779
https://sandbox.iexapis.com/stable/stock/AAL/quote?token=Tpk 059b97af715d417d9f49f50b51b1c
{'avgTotalVolume': 37209114, 'calculationPrice': 'close', 'change': -0.05, 'changePercen
t': -0.00363, 'close': 14.05, 'closeSource': 'lfafoici', 'closeTime': 1704539241532, 'comp
anyName': 'American Airlines Group Inc', 'currency': 'USD', 'delayedPrice': 14.201, 'delay
edPriceTime': 1691827258192, 'extendedChange': -0.06, 'extendedChangePercent': -0.00442,
'extendedPrice': 13.71, 'extendedPriceTime': 1708960482548, 'high': 14.249, 'highSource':
'e leenp tcdedir5amiu1y ', 'highTime': 1733488446883, 'iexAskPrice': None, 'iexAskSize': N
one, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 14.307, 'iexCloseTime': 17265602
27259, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 13.9, 'iexOpenTime': 1
729866038747, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastT
radeTime': 1686200473115, 'latestPrice': 13.86, 'latestSource': 'Close', 'latestTime': 'Ju
ly 29, 2022', 'latestUpdate': 1692007208486, 'latestVolume': 27214962, 'low': 13.695, 'low
Source': 'mtlerii 5npea yceeddlu ', 'lowTime': 1686988653055, 'marketCap': 9003151972, 'od
dLotDelayedPrice': 13.85, 'oddLotDelayedPriceTime': 1682270922264, 'open': 13.95, 'openTim
e': 1720535921326, 'openSource': 'fcafiloi', 'peRatio': -4.76, 'previousClose': 13.77, 'pr
eviousVolume': 37591715, 'primaryExchange': 'DNAAQS', 'symbol': 'AAL', 'volume': 26256164,
'week52High': 23.26, 'week52Low': 12.09, 'ytdChange': -0.24314298946404295, 'isUSMarketOpe
n': False}
 Ticker Price Market Capitalization Number Of Shares to Buy
                          40650801779
      A 134.80
                                                           N/A
         13.86
                           9003151972
https://sandbox.iexapis.com/stable/stock/AAP/quote?token=Tpk 059b97af715d417d9f49f50b51b1c
{'avgTotalVolume': 696751, 'calculationPrice': 'close', 'change': 2.63, 'changePercent':
0.01384, 'close': 202.63, 'closeSource': 'faflioic', 'closeTime': 1676794164217, 'companyN
ame': 'Advance Auto Parts Inc', 'currency': 'USD', 'delayedPrice': 195.97, 'delayedPriceTi
me': 1726265381356, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 197.
89, 'extendedPriceTime': 1665632759462, 'high': 202.63, 'highSource': 'e tpceeldeiimy5und
al r', 'highTime': 1690349548022, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice':
None, 'iexBidSize': None, 'iexClose': 193.7, 'iexCloseTime': 1701566774067, 'iexLastUpdate
d': None, 'iexMarketPercent': None, 'iexOpen': 197.36, 'iexOpenTime': 1725175327463, 'iexR
ealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 16969661
34181, 'latestPrice': 199.95, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'lat
estUpdate': 1684397293876, 'latestVolume': 528004, 'low': 193.12, 'lowSource': 'pielc1d5ud
eyaiert mn e ', 'lowTime': 1725142283721, 'marketCap': 11784743480, 'oddLotDelayedPrice':
196.53, 'oddLotDelayedPriceTime': 1666968780060, 'open': 193.12, 'openTime': 172741227257
7, 'openSource': 'iffcaloi', 'peRatio': 22.19, 'previousClose': 200.31, 'previousVolume':
806215, 'primaryExchange': 'RCS N.KI HX OEWYECA KCGTNONE', 'symbol': 'AAP', 'volume': 5267
45, 'week52High': 245.41, 'week52Low': 172, 'ytdChange': -0.16820154938983056, 'isUSMarket
Open': False}
 Ticker Price Market Capitalization Number Of Shares to Buy
0
      A 134.80 40650801779
                                                           N/A
```

1

2

AAL 13.86

AAP 199.95

9003151972

11784743480

N/A

N/A

https://sandbox.iexapis.com/stable/stock/AAPL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 75795115, 'calculationPrice': 'close', 'change': 5.32, 'changePercent': 0.03442, 'close': 164.98, 'closeSource': 'falciiof', 'closeTime': 1731893344273, 'companyN ame': 'Apple Inc', 'currency': 'USD', 'delayedPrice': 166.6, 'delayedPriceTime': 166454314 2026, 'extendedChange': -0.38, 'extendedChangePercent': -0.00244, 'extendedPrice': 162.45, 'extendedPriceTime': 1721809175342, 'high': 165.28, 'highSource': 'y ele5madtpuiec ild ne r', 'highTime': 1688040754595, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': Non e, 'iexBidSize': None, 'iexClose': 167.54, 'iexCloseTime': 1734502705596, 'iexLastUpdate d': None, 'iexMarketPercent': None, 'iexOpen': 168.17, 'iexOpenTime': 1722604460694, 'iexR ealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 16856628 53012, 'latestPrice': 170.63, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'lat estUpdate': 1711094019323, 'latestVolume': 105612895, 'low': 162.6, 'lowSource': ' tyciel ed epn5ad1eimur', 'lowTime': 1711499621464, 'marketCap': 2682163395015, 'oddLotDelayedPric e': 167.9, 'oddLotDelayedPriceTime': 1677784990738, 'open': 165.1, 'openTime': 17362514690 61, 'openSource': 'ailfcifo', 'peRatio': 27.46, 'previousClose': 162.52, 'previousVolume': 85443260, 'primaryExchange': 'AANSQD', 'symbol': 'AAPL', 'volume': 105683764, 'week52Hig h': 191.13, 'week52Low': 132.72, 'ytdChange': -0.05189943360034768, 'isUSMarketOpen': Fals

```
Price Market Capitalization Number Of Shares to Buy
 Ticker
   A 134.80
                      40650801779
1
        13.86
                       9003151972
                                                   N/A
   AAL
   AAP 199.95
                      11784743480
                                                   N/A
  AAPL 170.63
                     2682163395015
                                                   N/A
3
```

https://sandbox.iexapis.com/stable/stock/ABBV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 5943520, 'calculationPrice': 'close', 'change': -6.39, 'changePercent': -0.04188, 'close': 149.65, 'closeSource': 'oiicaflf', 'closeTime': 1698302957303, 'company Name': 'Abbvie Inc', 'currency': 'USD', 'delayedPrice': 144.17, 'delayedPriceTime': 168627 2776185, 'extendedChange': 0.09, 'extendedChangePercent': 0.00064, 'extendedPrice': 148.6, 'extendedPriceTime': 1708797426753, 'high': 151.71, 'highSource': 'lEp eeiIctiaemX rr', 'highTime': 1696858107719, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 144.16, 'iexCloseTime': 1705088550639, 'iexLastUpdated': N one, 'iexMarketPercent': None, 'iexOpen': 152.63, 'iexOpenTime': 1663523188588, 'iexRealti mePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 172641219004 7, 'latestPrice': 143.55, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestU pdate': 1694369783764, 'latestVolume': 18003721, 'low': 142, 'lowSource': 'die te uerc5ym ilapdeln', 'lowTime': 1687702376275, 'marketCap': 257378286828, 'oddLotDelayedPrice': 145. 19, 'oddLotDelayedPriceTime': 1721727891551, 'open': 147.03, 'openTime': 1727189100042, 'o penSource': 'cfafilio', 'peRatio': 21.39, 'previousClose': 150.01, 'previousVolume': 67400 05, 'primaryExchange': 'EWHCE YX. EKO O ICKNGTARNSCN', 'symbol': 'ABBV', 'volume': 1816172 2, 'week52High': 174.51, 'week52Low': 104.75, 'ytdChange': 0.04996233974922799, 'isUSMarke tOpen': False}

```
Ticker Price Market Capitalization Number Of Shares to Buy
     A 134.80
                       40650801779
                                                     N/A
    AAL 13.86
1
                        9003151972
                                                     N/A
   AAP 199.95
2
                       11784743480
                                                     N/A
3
   AAPL 170.63
                      2682163395015
                                                     N/A
4
   ABBV 143.55
                      257378286828
                                                     N/A
```

https://sandbox.iexapis.com/stable/stock/ABC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

{'avgTotalVolume': 874916, 'calculationPrice': 'close', 'change': 0.36, 'changePercent':
0.00256, 'close': 152.43, 'closeSource': 'iflfoaic', 'closeTime': 1676068097422, 'companyN
ame': 'Amerisource Bergen Corp.', 'currency': 'USD', 'delayedPrice': 152.25, 'delayedPrice
Time': 1682262559544, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 14
9.81, 'extendedPriceTime': 1673596008457, 'high': 152.43, 'highSource': 'icmpn5ueeal yddtr
lee i', 'highTime': 1664815126832, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPric
e': None, 'iexBidSize': None, 'iexClose': 146.99, 'iexCloseTime': 1678710890471, 'iexLastU
pdated': None, 'iexMarketPercent': None, 'iexOpen': 146.25, 'iexOpenTime': 1692850527183,
'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 170
6772988049, 'latestPrice': 148.98, 'latestSource': 'Close', 'latestTime': 'July 29, 2022',
'latestUpdate': 1689780682120, 'latestVolume': 716277, 'low': 146.53, 'lowSource': 'maeyle
pnrt5ide ec iudl', 'lowTime': 1714826615146, 'marketCap': 30723058431, 'oddLotDelayedPric
e': 150.28, 'oddLotDelayedPriceTime': 1728046671395, 'open': 146.53, 'openTime': 170887108
5605, 'openSource': 'oflfiaic', 'peRatio': 18.7, 'previousClose': 149.72, 'previousVolum
e': 648110, 'primaryExchange': 'N SC WN. ENIHTXORGEEY CACOKK', 'symbol': 'ABC', 'volume':

```
696212, 'week52High': 169.37, 'week52Low': 116.42, 'ytdChange': 0.11191999107141343, 'isUS MarketOpen': False}
```

```
Ticker Price Market Capitalization Number Of Shares to Buy
     A 134.80
                40650801779
1
   AAL 13.86
                      9003151972
                                                  N/A
                     11784743480
2
   AAP 199.95
                                                  N/A
3 AAPL 170.63
                    2682163395015
                                                  N/A
  ABBV 143.55
4
                     257378286828
                                                  N/A
   ABC 148.98
5
                      30723058431
                                                  N/A
```

https://sandbox.iexapis.com/stable/stock/ABMD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 252398, 'calculationPrice': 'close', 'change': 0.84, 'changePercent': 0.00278, 'close': 296.8, 'closeSource': 'fiafoicl', 'closeTime': 1720760498898, 'companyNa me': 'Abiomed Inc.', 'currency': 'USD', 'delayedPrice': 304.31, 'delayedPriceTime': 171129 8038198, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 295.88, 'extend edPriceTime': 1678994197228, 'high': 302.79, 'highSource': 'eXicp er emrIialE t', 'highTim e': 1674420360007, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSi ze': None, 'iexClose': 305.5, 'iexCloseTime': 1677617407130, 'iexLastUpdated': None, 'iexM arketPercent': None, 'iexOpen': 300.41, 'iexOpenTime': 1725767253410, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1716466860656, 'latestP rice': 294.43, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 170 6651041581, 'latestVolume': 247455, 'low': 296.8, 'lowSource': '1y ueee niepd5raldi mtc', 'lowTime': 1693822874007, 'marketCap': 13601311456, 'oddLotDelayedPrice': 300.64, 'oddLotD elayedPriceTime': 1677664945321, 'open': 302.79, 'openTime': 1726474578061, 'openSource': 'licoafif', 'peRatio': 100.97, 'previousClose': 296.6, 'previousVolume': 170823, 'primaryE xchange': 'DASANQ', 'symbol': 'ABMD', 'volume': 251365, 'week52High': 391.6, 'week52Low': 220.65, 'ytdChange': -0.1891456464170899, 'isUSMarketOpen': False}

```
Ticker Price Market Capitalization Number Of Shares to Buy
    A 134.80
                     40650801779
                                                  N/A
1
    AAL
        13.86
                       9003151972
                                                  N/A
                     11784743480
2
   AAP 199.95
                                                  N/A
3
 AAPL 170.63
                    2682163395015
                                                  N/A
4 ABBV 143.55
                     257378286828
                                                  N/A
5
   ABC 148.98
                      30723058431
                                                  N/A
 ABMD 294.43
                      13601311456
                                                  N/A
```

https://sandbox.iexapis.com/stable/stock/ABT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

{'avgTotalVolume': 4853713, 'calculationPrice': 'close', 'change': -1.54, 'changePercent': -0.01409, 'close': 110.6, 'closeSource': 'cfofliia', 'closeTime': 1732357770640, 'companyN ame': 'Abbott Laboratories', 'currency': 'USD', 'delayedPrice': 110.21, 'delayedPriceTim e': 1704651354637, 'extendedChange': 0.15, 'extendedChangePercent': 0.00132, 'extendedPric e': 112.75, 'extendedPriceTime': 1678194666771, 'high': 111.56, 'highSource': ' r nmepedid la5cileuyte ', 'highTime': 1726910683906, 'iexAskPrice': None, 'iexAskSize': None, 'iexBid Price': None, 'iexBidSize': None, 'iexClose': 111.47, 'iexCloseTime': 1707357145333, 'iexL astUpdated': None, 'iexMarketPercent': None, 'iexOpen': 110.52, 'iexOpenTime': 16829563518 53, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1741657354368, 'latestPrice': 113.1, 'latestSource': 'Close', 'latestTime': 'July 29, 202 2', 'latestUpdate': 1670500549579, 'latestVolume': 5079355, 'low': 109.232, 'lowSource': 'dcplme1 neeedyai tu5 ir', 'lowTime': 1703552312713, 'marketCap': 199485937511, 'oddLotDel ayedPrice': 109.88, 'oddLotDelayedPriceTime': 1708275225126, 'open': 111.56, 'openTime': 1 725835944399, 'openSource': 'alifiofc', 'peRatio': 25.29, 'previousClose': 112.39, 'previo usVolume': 4849403, 'primaryExchange': ' CHO IESAXWNECOKYGT KNENR.C', 'symbol': 'ABT', 'v olume': 5147360, 'week52High': 147.4, 'week52Low': 104.86, 'ytdChange': -0.234815523406697 98, 'isUSMarketOpen': False}

```
Ticker Price Market Capitalization Number Of Shares to Buy
     A 134.80
                      40650801779
1
    AAL 13.86
                       9003151972
                                                   N/A
2
   AAP 199.95
                      11784743480
                                                   N/A
  AAPL 170.63
3
                    2682163395015
                                                   N/A
                     257378286828
4
  ABBV 143.55
                                                   N/A
5
   ABC 148.98
                      30723058431
                                                   N/A
  ABMD 294.43
                      13601311456
                                                   N/A
6
7
   ABT 113.10
                     199485937511
                                                   N/A
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https://sandbox.iexapis.com/stable/stock/ACN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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                                                    N/A
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        13.86
                        9003151972
                                                    N/A
2
    AAP 199.95
                       11784743480
                                                    N/A
  AAPL 170.63
3
                     2682163395015
                                                    N/A
4
  ABBV 143.55
                     257378286828
                                                    N/A
   ABC 148.98
                      30723058431
5
                                                    N/A
6
  ABMD 294.43
                       13601311456
                                                    N/A
7
   ABT 113.10
                     199485937511
                                                    N/A
    ACN 316.68
                      210414038974
                                                    N/A
8
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https://sandbox.iexapis.com/stable/stock/ADBE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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                                                    N/A
        13.86
                        9003151972
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    AAP 199.95
2
                       11784743480
                                                    N/A
  AAPL 170.63
3
                     2682163395015
                                                    N/A
  ABBV 143.55
4
                     257378286828
                                                    N/A
5
   ABC 148.98
                       30723058431
                                                    N/A
                       13601311456
6
   ABMD 294.43
                                                    N/A
7
   ABT 113.10
                      199485937511
                                                    N/A
   ACN 316.68
                      210414038974
                                                    N/A
  ADBE 420.12
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https://sandbox.iexapis.com/stable/stock/ADI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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1
    AAL 13.86
                       9003151972
                                                   N/A
2
    AAP 199.95
                       11784743480
                                                   N/A
   AAPL 170.63
3
                    2682163395015
                                                   N/A
   ABBV 143.55
                     257378286828
                                                   N/A
   ABC 148.98
5
                      30723058431
                                                   N/A
   ABMD 294.43
                      13601311456
6
                                                   N/A
7
   ABT 113.10
                      199485937511
                                                   N/A
8
    ACN 316.68
                     210414038974
                                                   N/A
9
   ADBE 420.12
                      195547895865
                                                   N/A
10 ADI 177.50
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                                                   N/A
```

https://sandbox.iexapis.com/stable/stock/ADM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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```
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2
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                      11784743480
                                                   N/A
3
   AAPL 170.63
                    2682163395015
                                                   N/A
   ABBV 143.55
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4
                                                   N/A
                      30723058431
5
   ABC 148.98
                                                   N/A
   ABMD 294.43
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6
                                                   N/A
   ABT 113.10
7
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                                                   N/A
    ACN 316.68
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8
                                                   N/A
9
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                     195547895865
                                                   N/A
10 ADI 177.50
                      93311121568
                                                   N/A
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11
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https://sandbox.iexapis.com/stable/stock/ADP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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                                                    N/A
                       11784743480
3
   AAPL 170.63
                     2682163395015
                                                    N/A
4
   ABBV 143.55
                      257378286828
                                                    N/A
5
    ABC 148.98
                       30723058431
                                                    N/A
6
   ABMD 294.43
                       13601311456
                                                    N/A
7
    ABT 113.10
                      199485937511
                                                    N/A
    ACN 316.68
8
                      210414038974
                                                    N/A
9
                      195547895865
   ADBE 420.12
                                                    N/A
10 ADI 177.50
                       93311121568
                                                    N/A
11
    ADM 82.84
                       48369052614
                                                    N/A
12
     ADP 243.43
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https://sandbox.iexapis.com/stable/stock/ADSK/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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2
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                                                    N/A
3
                                                    N/A
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4
   ABBV 143.55
                      257378286828
                                                    N/A
5
    ABC 148.98
                       30723058431
                                                    N/A
   ABMD 294.43
6
                       13601311456
                                                    N/A
7
                                                    N/A
   ABT 113.10
                      199485937511
8
    ACN 316.68
                      210414038974
                                                    N/A
9
   ADBE 420.12
                      195547895865
                                                    N/A
10
   ADI 177.50
                       93311121568
                                                    N/A
11
    ADM 82.84
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                                                    N/A
12
    ADP 243.43
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                                                    N/A
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https://sandbox.iexapis.com/stable/stock/AEE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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                    2682163395015
3
   AAPL 170.63
                                                 N/A
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                    257378286828
                                                 N/A
5
   ABC 148.98
                      30723058431
                                                 N/A
   ABMD 294.43
6
                      13601311456
                                                 N/A
7
   ABT 113.10
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                                                 N/A
8
   ACN 316.68
                     210414038974
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   ADBE 420.12
                     195547895865
9
                                                 N/A
   ADI 177.50
10
                     93311121568
                                                 N/A
11
   ADM 82.84
                      48369052614
                                                 N/A
12
   ADP 243.43
                     101032874389
                                                 N/A
13 ADSK 220.07
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                                                 N/A
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14
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https://sandbox.iexapis.com/stable/stock/AEP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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    AAL 13.86
                       9003151972
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1
2
   AAP 199.95
                      11784743480
                                                  N/A
3
   AAPL 170.63
                    2682163395015
                                                  N/A
   ABBV 143.55
                     257378286828
4
                                                  N/A
                      30723058431
5
   ABC 148.98
                                                  N/A
   ABMD 294.43
6
                      13601311456
                                                  N/A
7
   ABT 113.10
                     199485937511
                                                  N/A
                     210414038974
8
    ACN 316.68
                                                  N/A
9
   ADBE 420.12
                     195547895865
                                                  N/A
10 ADI 177.50
                      93311121568
                                                  N/A
    ADM
                      48369052614
        82.84
11
                                                  N/A
                     101032874389
12
   ADP 243.43
                                                  N/A
13 ADSK 220.07
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                                                  N/A
14
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                                                  N/A
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https://sandbox.iexapis.com/stable/stock/AES/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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AES 23.30

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4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
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11	ADM	82.84		48369052614					N/A
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13	ADSK	220.07		48604180316					N/A
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5	ABC	148.98		30723058431					N/A
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11
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16 AES 23.30
                        15478787387
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5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
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9	ADBE	420.12		195547895865					N/A
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11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
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9518486909

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                       30723058431
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7
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                                                   N/A
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11
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4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
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13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
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18	AIG	52.77		42037981673					N/A
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
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8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
1	0 ADI	177.50		93311121568					N/A
1	1 ADM	82.84		48369052614					N/A
1	2 ADP	243.43		101032874389					N/A
1	3 ADSK	220.07		48604180316					N/A
1	4 AEE	93.17		24333931091					N/A
1	5 AEP	100.69		50949659098					N/A
1	6 AES	23.30		15478787387					N/A
1	7 AFL	58.90		37773053666					N/A
1	8 AIG	52.77		42037981673					N/A
1	9 AIV	8.51		1303043911					N/A
2	0 AIZ	183.26		9518486909					N/A
2	1 AJG	187.78		38844017580					N/A
2	2 AKAM	98.38		15619432862					N/A
2	3 ALB	247.35		29734487327					N/A
h	ttps://sa	ndbox.ie	exapis.	com/stable/stock	k/ALGN/	niot	te?toker	า=٣٢	ok 0.5

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Ticker Price Market Capitalization Number Of Shares to Buy

0	А	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
5	ABC	148.98	30723058431	N/A
6	ABMD	294.43	13601311456	N/A
7	ABT	113.10	199485937511	N/A
8	ACN	316.68	210414038974	N/A
9	ADBE	420.12	195547895865	N/A
10	ADI	177.50	93311121568	N/A
11	ADM	82.84	48369052614	N/A
12	ADP	243.43	101032874389	N/A
13	ADSK	220.07	48604180316	N/A
14	AEE	93.17	24333931091	N/A
15	AEP	100.69	50949659098	N/A
16	AES	23.30	15478787387	N/A
17	AFL	58.90	37773053666	N/A
18	AIG	52.77	42037981673	N/A
19	AIV	8.51	1303043911	N/A
20	AIZ	183.26	9518486909	N/A
21	AJG	187.78	38844017580	N/A
22	AKAM	98.38	15619432862	N/A
23	ALB	247.35	29734487327	N/A
24	ALGN	288.93	22849015394	N/A

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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A

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AJG 187.78
21
                       38844017580
                                                    N/A
22 AKAM 98.38
                       15619432862
                                                    N/A
23 ALB 247.35
                       29734487327
                                                    N/A
  ALGN 288.93
                       22849015394
24
                                                    N/A
25
    ALK 45.48
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                                                    N/A
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Ticker Price Market Capitalization Number Of Shares to Buy
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                      40650801779
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1
    AAL 13.86
                       9003151972
                                                  N/A
2
    AAP 199.95
                      11784743480
                                                  N/A
3
   AAPL 170.63
                    2682163395015
                                                  N/A
   ABBV 143.55
4
                     257378286828
                                                  N/A
                      30723058431
5
   ABC 148.98
                                                  N/A
   ABMD 294.43
                      13601311456
                                                  N/A
                     199485937511
7
   ABT 113.10
                                                  N/A
8
    ACN 316.68
                     210414038974
                                                  N/A
                     195547895865
9
   ADBE 420.12
                                                  N/A
10 ADI 177.50
                      93311121568
                                                  N/A
   ADM
                      48369052614
        82.84
11
                                                  N/A
12
    ADP 243.43
                     101032874389
                                                  N/A
13 ADSK 220.07
                      48604180316
                                                  N/A
14 AEE 93.17
                      24333931091
                                                  N/A
                      50949659098
15
   AEP 100.69
                                                  N/A
16
   AES 23.30
                      15478787387
                                                  N/A
17
   AFL 58.90
                      37773053666
                                                  N/A
18
  AIG 52.77
                      42037981673
                                                  N/A
   AIV 8.51
19
                       1303043911
                                                  N/A
20 AIZ 183.26
                       9518486909
                                                  N/A
21
   AJG 187.78
                      38844017580
                                                  N/A
22 AKAM
        98.38
                      15619432862
                                                  N/A
                      29734487327
23
   ALB 247.35
                                                  N/A
24 ALGN 288.93
                      22849015394
                                                  N/A
25
   ALK 45.48
                       5692054895
                                                  N/A
    ALL 119.43
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
23	ALB	247.35		29734487327					N/A
24	ALGN	288.93		22849015394					N/A
25	ALK	45.48		5692054895					N/A
26	ALL	119.43		32748142459					N/A
27	ALLE	109.00		9464640281					N/A
h+t	tns•//sa	ndhox ie	exanis (com/stable/stocl	k/AT.XN/	riiot	te?toker	n=Tr	sk 05

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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
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ADSK 220.07
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22 AKAM 98.38
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25
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                                                    N/A
26
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                                                    N/A
27 ALLE 109.00
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
23	ALB	247.35		29734487327					N/A
24	ALGN	288.93		22849015394					N/A
25	ALK	45.48		5692054895					N/A
26	ALL	119.43		32748142459					N/A
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28	ALXN	187.40		40583109487					N/A
29	AMAT	106.66		94834681003					N/A

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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
23	ALB	247.35		29734487327					N/A
24	ALGN	288.93		22849015394					N/A
25	ALK	45.48		5692054895					N/A
26	ALL	119.43		32748142459					N/A
27	ALLE	109.00		9464640281					N/A
28	ALXN	187.40		40583109487					N/A
29	AMAT	106.66		94834681003					N/A
30	AMCR	13.35		19658685619					N/A
h+	tne . / /ea	ndhov ie	vanie (com/stable/stock	z/AMD/au	10±4	a?token:	-Tn1	د ∩59°

https://sandbox.iexapis.com/stable/stock/AMD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
23	ALB	247.35		29734487327					N/A
24	ALGN	288.93		22849015394					N/A
25	ALK	45.48		5692054895					N/A
26	ALL	119.43		32748142459					N/A
27	ALLE	109.00		9464640281					N/A
28	ALXN	187.40		40583109487					N/A
29	AMAT	106.66		94834681003					N/A
30	AMCR	13.35		19658685619					N/A
31	AMD	97.94		154580691400					N/A

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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
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15
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16
   AES 23.30
                       15478787387
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17
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                                                   N/A
18 AIG 52.77
                       42037981673
                                                   N/A
                       1303043911
19 AIV 8.51
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20
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21
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22 AKAM 98.38
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   ALB 247.35
23
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25 ALK 45.48
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28 ALXN 187.40
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29 AMAT 106.66
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30 AMCR 13.35
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A

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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
23	ALB	247.35		29734487327					N/A
24	ALGN	288.93		22849015394					N/A
25	ALK	45.48		5692054895					N/A
26	ALL	119.43		32748142459					N/A
27	ALLE	109.00		9464640281					N/A
28	ALXN	187.40		40583109487					N/A
29	AMAT	106.66		94834681003					N/A
30	AMCR	13.35		19658685619					N/A
31	AMD	97.94		154580691400					N/A
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
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13	ADSK	220.07		48604180316					N/A
14	AEE	93.17		24333931091					N/A
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16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
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21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
23	ALB	247.35		29734487327					N/A
24	ALGN	288.93		22849015394					N/A
25	ALK	45.48		5692054895					N/A
26	ALL	119.43		32748142459					N/A
27	ALLE	109.00		9464640281					N/A
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29	AMAT	106.66		94834681003					N/A
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Ticker Price Market Capitalization Number Of Shares to Buy

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12	ADP	243.43		101032874389					N/A
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17 AFL 58.90 37773053666 N/A 18 AIG 52.77 42037981673 N/A 19 AIV 8.51 1303043911 N/A 20 AIZ 183.26 9518486909 N/A 21 AJG 187.78 38844017580 N/A 22 AKAM 98.38 15619432862 N/A 23 ALB 247.35 29734487327 N/A 24 ALGN 288.93 22849015394 N/A 25 ALK 45.48 5692054895 N/A 26 ALL 119.43 32748142459 N/A 27 ALLE 109.00 9464640281 N/A 28 ALXN 187.40 40583109487 N/A 29 AMAT 106.66 94834681003 N/A 30 AMCR 13.35 19658685619 N/A 31 AMD 97.94 154580691400 N/A 32 AME 129.70 28736550407 N/A 33 AMGN <t< td=""><td>15</td><td>AEP</td><td>100.69</td><td></td><td>50949659098</td><td></td><td></td><td></td><td></td><td>N/A</td></t<>	15	AEP	100.69		50949659098					N/A
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Ticker Price Market Capitalization Number Of Shares to Buy

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5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
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3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
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12	ADP	243.43		101032874389					N/A
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15	AEP	100.69		50949659098					N/A
16	AES	23.30		15478787387					N/A
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18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
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26	ALL	119.43		32748142459					N/A
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5	ABC	148.98		0723058431					N/A
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7	ABT	113.10	19	9485937511					N/A
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9	ADBE	420.12	195	5547895865					N/A
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13	ADSK	220.07	48	8604180316					N/A
14	AEE	93.17	2	4333931091					N/A
15	AEP	100.69	50	0949659098					N/A
16	AES	23.30	1.	5478787387					N/A
17	AFL	58.90	3.	7773053666					N/A
18	AIG	52.77	42	2037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
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3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
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15	AEP	100.69		50949659098					N/A
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21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
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24	ALGN	288.93		22849015394					N/A
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   ABBV 143.55
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4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
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9	ADBE	420.12		195547895865					N/A
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11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
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Ticker Price Market Capitalization Number Of Shares to Buy 0 A 134.80 40650801779 N/A 1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBW 143.55 257378286828 N/A 5 ABC 148.98 30723058431 N/A 6 ABMD 294.43 13601311456 N/A 7 ABT 113.10 199485937511 N/A 8 ACN 316.68 210414038974 N/A 9 ADBE 420.12 195547895865 N/A 10 ADI 177.50 9331121568 N/A 11 ADM 82.84 48369052614 N/A 12 ADP 243.43 101032874389 N/A 13 ADSK 220.07 48604180316 N/A 14 AE	C J									
1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A 5 ABC 148.98 30723058431 N/A 6 ABMD 294.43 13601311456 N/A 7 ABT 113.10 199485937511 N/A 8 ACN 316.68 210414038974 N/A 9 ADBE 420.12 195547895865 N/A 10 ADI 177.50 93311121568 N/A 11 ADM 82.84 48369052614 N/A 12 ADP 243.43 101032874389 N/A 13 ADSK 220.07 48604180316 N/A 14 AEE 93.17 24333931091 N/A 15 AEP 100.69 50949659098 N/A 16 AES 23.30 15478787387 N/A 17 AFL		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A 5 ABC 148.98 30723058431 N/A 6 ABMD 294.43 13601311456 N/A 7 ABT 113.10 199485937511 N/A 8 ACN 316.68 210414038974 N/A 9 ADBE 420.12 195547895865 N/A 10 ADI 177.50 93311121568 N/A 11 ADM 82.84 48369052614 N/A 12 ADP 243.43 101032874389 N/A 13 ADSK 220.07 48604180316 N/A 14 AEE 93.17 24333931091 N/A 15 AEP 100.69 50949659098 N/A 16 AES 23.30 15478787387 N/A 17 AFL 58.90 37773053666 N/A 18 AIG 52.77 42037981673 N/A 20 AIZ	1	AAL	13.86		9003151972					N/A
4 ABBV 143.55 257378286828 N/A 5 ABC 148.98 30723058431 N/A 6 ABMD 294.43 13601311456 N/A 7 ABT 113.10 199485937511 N/A 8 ACN 316.68 210414038974 N/A 9 ADBE 420.12 195547895865 N/A 10 ADI 177.50 93311121568 N/A 11 ADM 82.84 48369052614 N/A 12 ADP 243.43 101032874389 N/A 13 ADSK 220.07 48604180316 N/A 14 AEE 93.17 24333931091 N/A 15 AEP 100.69 50949659098 N/A 16 AES 23.30 15478787387 N/A 17 AFL 58.90 37773053666 N/A 18 AIG 52.77 42037981673 N/A 20 AIZ 183.26 9518486909 N/A 21 AJG <	2	AAP	199.95		11784743480					N/A
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3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
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1

2

11

12

ADM

48369052614

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46	ARE	170.82	27592318097	N/A
45	APTV	105.93	29541022447	N/A
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27	ALLE	109.00	9464640281	N/A
26	ALL	119.43	32748142459	N/A
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23	ALB	247.35	29734487327	N/A
22	AKAM	98.38	15619432862	N/A
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18	AIG	52.77	42037981673	N/A
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6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
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16	AES	23.30		15478787387					N/A
17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
20	AIZ	183.26		9518486909					N/A
21	AJG	187.78		38844017580					N/A
22	AKAM	98.38		15619432862					N/A
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2	AAP	199.95		11784743480					N/A
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4	ABBV	143.55		257378286828					N/A
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17	AFL	58.90		37773053666					N/A
18	AIG	52.77		42037981673					N/A
19	AIV	8.51		1303043911					N/A
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21	AJG	187.78		38844017580					N/A
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27

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ANTM

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N/A

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32	AME	129.70	28736550407	N/A
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34	AMP	273.61	30225409384	N/A
35	AMT	271.75	127796210336	N/A
36	AMZN	137.86	1379773840506	N/A
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40	AON	300.14	63517682916	N/A
41	AOS	65.21	10378174785	N/A
42	APA	37.76	13020303137	N/A
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46	ARE	170.82	27592318097	N/A
47	ATO	127.38	17295950257	N/A
48	ATVI	81.40	63113551206	N/A
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50	AVGO	535.69	225280419262	N/A
51	AVY	193.35	15874830234	N/A
52	AWK	158.61	28376279706	N/A
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54	AZO	2146.21	41808208311	N/A
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57	BAX	60.62	29933707378	N/A
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
5	ABC	148.98		30723058431					N/A
6	ABMD	294.43		13601311456					N/A
7	ABT	113.10		199485937511					N/A
8	ACN	316.68		210414038974					N/A
9	ADBE	420.12		195547895865					N/A
10	ADI	177.50		93311121568					N/A
11	ADM	82.84		48369052614					N/A
12	ADP	243.43		101032874389					N/A
13	ADSK	220.07		48604180316					N/A
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15	AEP	100.69	50949659098	N/A
16	AES	23.30	15478787387	N/A
17	AFL	58.90	37773053666	N/A
18	AIG	52.77	42037981673	N/A
19	AIV	8.51	1303043911	N/A
20	AIZ	183.26	9518486909	N/A
21	AJG	187.78	38844017580	N/A
22	AKAM	98.38	15619432862	N/A
23	ALB	247.35	29734487327	N/A
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25	ALK	45.48	5692054895	N/A
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42	APA	37.76	13020303137	N/A
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44	APH	77.78	46087206378	N/A
45	APTV	105.93	29541022447	N/A
46	ARE	170.82	27592318097	N/A
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50	AVGO	535.69	225280419262	N/A
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52	AWK	158.61	28376279706	N/A
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56	BAC	35.09	274956619953	N/A
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58	BBY	80.72	17592667994	N/A
59	BDX	253.84	72818718370	N/A
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4
                         257378286828
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. .
            . . .
                                                           . . .
56
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57
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
57	BAX	60.62		29933707378					N/A
58	BBY	80.72		17592667994					N/A
59	BDX	253.84		72818718370					N/A
60	BEN	27.93		14060340267					N/A
61	BF.B	74.45		35667915312					N/A

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Ticker Price Market Capitalization Number Of Shares to Buy

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1 AAL 13.86 9003151972 N/A

2 AAP 199.95 11784743480 N/A

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4
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58
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
59	BDX	253.84		72818718370					N/A
60	BEN	27.93		14060340267					N/A
61	BF.B	74.45		35667915312					N/A
62	BIIB	224.73		31973808694					N/A
63	BIO	583.69		16893391856					N/A

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https://sandbox.iexapis.com/stable/stock/BK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A

```
3
    AAPL 170.63
                        2682163395015
                                                        N/A
4
    ABBV 143.55
                        257378286828
                                                        N/A
     . . .
                                                        . . .
    BEN 27.93
                         14060340267
60
                                                        N/A
61
   BF.B 74.45
                          35667915312
                                                        N/A
62 BIIB 224.73
                         31973808694
                                                        N/A
63
    BIO 583.69
                         16893391856
                                                        N/A
64
     BK
         43.72
                         36657869229
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https://sandbox.iexapis.com/stable/stock/BKNG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
61	BF.B	74.45		35667915312					N/A
62	BIIB	224.73		31973808694					N/A
63	BIO	583.69		16893391856					N/A
64	BK	43.72		36657869229					N/A
65	BKNG	2005.33		79294179391					N/A

[66 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/BKR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Price Market Capitalization Number Of Shares to Buy Ticker 0 A 134.80 40650801779 N/A N/A 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A

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4
    ABBV
           143.55
                           257378286828
                                                           N/A
                                                           . . .
62
   BIIB 224.73
                           31973808694
                                                          N/A
    BIO 583.69
                                                          N/A
6.3
                           16893391856
           43.72
                           36657869229
64
     BK
                                                          N/A
65 BKNG 2005.33
                           79294179391
                                                          N/A
           26.97
                                                          N/A
66
    BKR
                           27614558459
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https://sandbox.iexapis.com/stable/stock/BLK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
BIO	583.69		16893391856					N/A
BK	43.72		36657869229					N/A
BKNG	2005.33		79294179391					N/A
BKR	26.97		27614558459					N/A
BLK	695.31		102156207752					N/A
	A AAL AAP AAPL ABBV BIO BK BKNG BKR	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 BIO 583.69 BK 43.72 BKNG 2005.33 BKR 26.97	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 BIO 583.69 BK 43.72 BKNG 2005.33 BKR 26.97	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BIO 583.69 16893391856 BK 43.72 36657869229 BKNG 2005.33 79294179391 BKR 26.97 27614558459	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BIO 583.69 16893391856 BK 43.72 36657869229 BKNG 2005.33 79294179391 BKR 26.97 27614558459	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BIO 583.69 16893391856 BK 43.72 36657869229 BKNG 2005.33 79294179391 BKR 26.97 27614558459	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BIO 583.69 16893391856 BK 43.72 36657869229 BKNG 2005.33 79294179391 BKR 26.97 27614558459	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BIO 583.69 16893391856 BK 43.72 36657869229 BKNG 2005.33 79294179391 BKR 26.97 27614558459

[68 rows x 4 columns]

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https://sandbox.iexapis.com/stable/stock/BLL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy 0 A 134.80 40650801779 N/A 1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A

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                                     . . .
                                                              . . .
64
      BK
           43.72
                             36657869229
                                                             N/A
65 BKNG 2005.33
                            79294179391
                                                             N/A
66
            26.97
                            27614558459
                                                             N/A
    BKR
                           102156207752
67
     BLK
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68
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[69 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/BMY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
65	BKNG	2005.33		79294179391					N/A
66	BKR	26.97		27614558459					N/A
67	BLK	695.31		102156207752					N/A
68	BLL	70.89		22666421122					N/A
69	BMY	75.29		160380391571					N/A

[70 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/BR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	ΟÍ	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

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. .
     . . .
                                   . . .
                                                            . . .
66
     BKR
          26.97
                           27614558459
                                                            N/A
67
     BLK 695.31
                          102156207752
                                                            N/A
68
     BLL
          70.89
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[71 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/BRK.B/quote?token=Tpk_059b97af715d417d9f49f50b51b 1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
67	BLK	695.31		102156207752					N/A
68	BLL	70.89		22666421122					N/A
69	BMY	75.29		160380391571					N/A
70	BR	168.43		19206134489					N/A
71	BRK.B	301.20		694153436284					N/A

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https://sandbox.iexapis.com/stable/stock/BSX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
70.89
68
     BLL
                            22666421122
                                                            N/A
                          160380391571
69
          75.29
     BMY
                                                            N/A
70
      BR 168.43
                           19206134489
                                                            N/A
71 BRK.B 301.20
                          694153436284
                                                            N/A
72
     BSX
          41.93
                           59598065449
                                                            N/A
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https://sandbox.iexapis.com/stable/stock/BWA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
69	BMY	75.29		160380391571					N/A
70	BR	168.43		19206134489					N/A
71	BRK.B	301.20		694153436284					N/A
72	BSX	41.93		59598065449					N/A
73	BWA	40.33		9549092453					N/A

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https://sandbox.iexapis.com/stable/stock/BXP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
70
      BR 168.43
                           19206134489
                                                           N/A
71 BRK.B 301.20
                          694153436284
                                                          N/A
72
     BSX
          41.93
                          59598065449
                                                          N/A
73
     BWA
           40.33
                           9549092453
                                                          N/A
74
          91.29
     BXP
                           14341293362
                                                          N/A
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https://sandbox.iexapis.com/stable/stock/C/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
BRK.B	301.20		694153436284					N/A
BSX	41.93		59598065449					N/A
BWA	40.33		9549092453					N/A
BXP	91.29		14341293362					N/A
С	52.70		107116067424					N/A
	A AAL AAP AAPL ABBV BRK.B BSX BWA BXP	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 BRK.B 301.20 BSX 41.93 BWA 40.33 BXP 91.29	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 BRK.B 301.20 BSX 41.93 BWA 40.33 BXP 91.29	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BRK.B 301.20 694153436284 BSX 41.93 59598065449 BWA 40.33 9549092453 BXP 91.29 14341293362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BRK.B 301.20 694153436284 BSX 41.93 59598065449 BWA 40.33 9549092453 BXP 91.29 14341293362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BRK.B 301.20 694153436284 BSX 41.93 59598065449 BWA 40.33 9549092453 BXP 91.29 14341293362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BRK.B 301.20 694153436284 BSX 41.93 59598065449 BWA 40.33 9549092453 BXP 91.29 14341293362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 BRK.B 301.20 694153436284 BSX 41.93 59598065449 BWA 40.33 9549092453 BXP 91.29 14341293362

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https://sandbox.iexapis.com/stable/stock/CAG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
72	BSX	41.93		59598065449					N/A

```
73
      BWA
            40.33
                             9549092453
                                                             N/A
74
      BXP
            91.29
                            14341293362
                                                             N/A
75
      С
            52.70
                           107116067424
                                                             N/A
76
     CAG
           34.69
                            16870030304
                                                             N/A
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[77 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CAH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
73	BWA	40.33		9549092453					N/A
74	BXP	91.29		14341293362					N/A
75	С	52.70		107116067424					N/A
76	CAG	34.69		16870030304					N/A
77	CAH	60.78		16772737102					N/A

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https://sandbox.iexapis.com/stable/stock/CARR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
74	BXP	91.29		14341293362					N/A

```
75
       С
           52.70
                          107116067424
                                                           N/A
76
           34.69
     CAG
                           16870030304
                                                           N/A
77
     CAH
           60.78
                           16772737102
                                                           N/A
78 CARR
          41.03
                           34174216323
                                                           N/A
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
75	С	52.70		107116067424					N/A
76	CAG	34.69		16870030304					N/A
77	CAH	60.78		16772737102					N/A
78	CARR	41.03		34174216323					N/A
79	CAT	205.16		109580711153					N/A

[80 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
				• • •					
76	CAG	34.69		16870030304					N/A

```
77
     CAH
           60.78
                           16772737102
                                                           N/A
78
    CARR
          41.03
                           34174216323
                                                           N/A
79
     CAT 205.16
                          109580711153
                                                           N/A
      CB 196.82
80
                           80986596749
                                                           N/A
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[81 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CBOE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
77	CAH	60.78		16772737102					N/A
78	CARR	41.03		34174216323					N/A
79	CAT	205.16		109580711153					N/A
80	СВ	196.82		80986596749					N/A
81	CBOE	128.13		13118282240					N/A

[82 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CBRE/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
78	CARR	41.03		34174216323					N/A

```
79
     CAT 205.16
                         109580711153
                                                         N/A
80
     CB 196.82
                          80986596749
                                                         N/A
81
    CBOE 128.13
                          13118282240
                                                         N/A
82 CBRE
         87.65
                          28413876008
                                                         N/A
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[83 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CCI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
79	CAT	205.16		109580711153					N/A
80	CB	196.82		80986596749					N/A
81	CBOE	128.13		13118282240					N/A
82	CBRE	87.65		28413876008					N/A
83	CCI	186.85		81125726404					N/A

[84 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CCL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
80	СВ	196.82		80986596749					N/A

```
CBOE 128.13
81
                           13118282240
                                                          N/A
82
    CBRE
         87.65
                           28413876008
                                                          N/A
83
    CCI 186.85
                          81125726404
                                                          N/A
84
     CCL
           9.18
                          10447254340
                                                          N/A
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[85 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CDNS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
81	CBOE	128.13		13118282240					N/A
82	CBRE	87.65		28413876008					N/A
83	CCI	186.85		81125726404					N/A
84	CCL	9.18		10447254340					N/A
85	CDNS	190.66		53498483285					N/A

[86 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CDW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 40650801779 0 13.86 9003151972 1 AAL N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A . . . 82 CBRE 87.65 28413876008 N/A CCI 186.85 83 81125726404 N/A

```
      84
      CCL
      9.18
      10447254340
      N/A

      85
      CDNS
      190.66
      53498483285
      N/A

      86
      CDW
      182.03
      25363658445
      N/A
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[87 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		,	I						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
83	CCI	186.85		81125726404					N/A
84	CCL	9.18		10447254340					N/A
85	CDNS	190.66		53498483285					N/A
86	CDW	182.03		25363658445					N/A
87	CE	123.25		12830556571					N/A

[88 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CERN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
84	CCL	9.18		10447254340					N/A
85	CDNS	190.66		53498483285					N/A
86	CDW	182.03		25363658445					N/A
87	CE	123.25		12830556571					N/A

88 CERN 97.09 28034723786 N/A

[89 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
85	CDNS	190.66		53498483285					N/A
86	CDW	182.03		25363658445					N/A
87	CE	123.25		12830556571					N/A
88	CERN	97.09		28034723786					N/A
89	CF	96.30		20893623066					N/A

[90 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CFG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
86	CDW	182.03		25363658445					N/A
87	CE	123.25		12830556571					N/A
88	CERN	97.09		28034723786					N/A
89	CF	96.30		20893623066					N/A

90 CFG 37.69 18731756695 N/A

[91 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CHD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
87	CE	123.25		12830556571					N/A
88	CERN	97.09		28034723786					N/A
89	CF	96.30		20893623066					N/A
90	CFG	37.69		18731756695					N/A
91	CHD	91.11		21411622663					N/A

[92 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CHRW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
88	CERN	97.09		28034723786					N/A
89	CF	96.30		20893623066					N/A
90	CFG	37.69		18731756695					N/A
91	CHD	91.11		21411622663					N/A

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CHRW 116.20 14295095612 N/A
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[93 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CHTR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Οİ	Snares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
89	CF	96.30		20893623066					N/A
90	CFG	37.69		18731756695					N/A
91	CHD	91.11		21411622663					N/A
92	CHRW	116.20		14295095612					N/A
93	CHTR	440.70		74993585523					N/A

[94 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
90	CFG	37.69		18731756695					N/A
91	CHD	91.11		21411622663					N/A
92	CHRW	116.20		14295095612					N/A
93	CHTR	440.70		74993585523					N/A

CI 277.71 87398462768 N/A

[95 rows x 4 columns]

94

https://sandbox.iexapis.com/stable/stock/CINF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
91	CHD	91.11		21411622663					N/A
92	CHRW	116.20		14295095612					N/A
93	CHTR	440.70		74993585523					N/A
94	CI	277.71		87398462768					N/A
95	CINF	101.89		15597100462					N/A

[96 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
92	CHRW	116.20		14295095612					N/A
93	CHTR	440.70		74993585523					N/A
94	CI	277.71		87398462768					N/A
95	CINF	101.89		15597100462					N/A

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96 CL 79.71 66743643741 N/A
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[97 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CLX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	-								
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
93	CHTR	440.70		74993585523					N/A
94	CI	277.71		87398462768					N/A
95	CINF	101.89		15597100462					N/A
96	CL	79.71		66743643741					N/A
97	CLX	143.81		18228366487					N/A

[98 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CMA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
94	CI	277.71		87398462768					N/A
95	CINF	101.89		15597100462					N/A
96	CL	79.71		66743643741					N/A
97	CLX	143.81		18228366487					N/A

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98 CMA 80.64 10386036536 N/A
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https://sandbox.iexapis.com/stable/stock/CMCSA/quote?token=Tpk_059b97af715d417d9f49f50b51b 1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
CINF	101.89		15597100462					N/A
CL	79.71		66743643741					N/A
CLX	143.81		18228366487					N/A
CMA	80.64		10386036536					N/A
CMCSA	37.67		173394645100					N/A
	A AAL AAP AAPL ABBV CINF CL CLX CMA	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 CINF 101.89 CL 79.71 CLX 143.81 CMA 80.64	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 CINF 101.89 CL 79.71 CLX 143.81 CMA 80.64	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 CINF 101.89 15597100462 CL 79.71 66743643741 CLX 143.81 18228366487 CMA 80.64 10386036536	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 CINF 101.89 15597100462 CL 79.71 66743643741 CLX 143.81 18228366487 CMA 80.64 10386036536	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 CINF 101.89 15597100462 CL 79.71 66743643741 CLX 143.81 18228366487 CMA 80.64 10386036536	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 CINF 101.89 15597100462 CL 79.71 66743643741 CLX 143.81 18228366487 CMA 80.64 10386036536	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 CINF 101.89 15597100462 CL 79.71 66743643741 CLX 143.81 18228366487 CMA 80.64 10386036536

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https://sandbox.iexapis.com/stable/stock/CME/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
96	CL	79.71		66743643741					N/A
97	CLX	143.81		18228366487					N/A
98	CMA	80.64		10386036536					N/A
99	CMCSA	37.67		173394645100					N/A
100	CME	202.68		72557262785					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
97	CLX	143.81		18228366487					N/A
98	CMA	80.64		10386036536					N/A
99	CMCSA	37.67		173394645100					N/A
100	CME	202.68		72557262785					N/A
101	CMG	1564.25		43559055662					N/A

[102 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CMI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
98	CMA	80.64		10386036536					N/A
99	CMCSA	37.67		173394645100					N/A
100	CME	202.68		72557262785					N/A
101	CMG	1564.25		43559055662					N/A
102	CMI	226.80		31947643802					N/A

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- ,									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
99	CMCSA	37.67		173394645100					N/A
100	CME	202.68		72557262785					N/A
101	CMG	1564.25		43559055662					N/A
102	CMI	226.80		31947643802					N/A
103	CMS	70.31		20477132914					N/A

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https://sandbox.iexapis.com/stable/stock/CNC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
100	CME	202.68		72557262785					N/A
101	CMG	1564.25		43559055662					N/A
102	CMI	226.80		31947643802					N/A
103	CMS	70.31		20477132914					N/A
104	CNC	93.74		56109979677					N/A

[105 rows x 4 columns] https://sandbox.iexapis.com/stable/stock/CNP/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
101	CMG	1564.25		43559055662					N/A
102	CMI	226.80		31947643802					N/A
103	CMS	70.31		20477132914					N/A
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105	CNP	31.73		20553182560					N/A

[106 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/COF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
102	CMI	226.80		31947643802					N/A
103	CMS	70.31		20477132914					N/A
104	CNC	93.74		56109979677					N/A
105	CNP	31.73		20553182560					N/A
106	COF	112.86		44590194659					N/A

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[107 rows x 4 columns]
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https://sandbox.iexapis.com/stable/stock/COG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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0 1 2	Ticker A AAL AAP	134.80 13.86 199.95	Market	Capitalization 40650801779 9003151972 11784743480	Number	Of	Shares	to	N/A N/A N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
103 104	CMS CNC	70.31		20477132914 56109979677					N/A N/A
105	CNP	31.73		20553182560					N/A
106	COF	112.86		44590194659					N/A
107	COG	23.21		9203957856					N/A

[108 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/COO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
104	CNC	93.74		56109979677					N/A
105	CNP	31.73		20553182560					N/A
106	COF	112.86		44590194659					N/A
107	COG	23.21		9203957856					N/A
108	COO	340.00		17965020034					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
105	5 CNP	31.73		20553182560					N/A
106	5 COF	112.86		44590194659					N/A
107	7 COG	23.21		9203957856					N/A
108	3 COO	340.00		17965020034					N/A
109) COP	101.16		128246679293					N/A

[110 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/COST/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
COF	112.86		44590194659					N/A
COG	23.21		9203957856					N/A
COO	340.00		17965020034					N/A
COP	101.16		128246679293					N/A
COST	542.00		247925517131					N/A
	A AAL AAP AAPL ABBV COF COG COO	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 COF 112.86 COG 23.21 COO 340.00 COP 101.16	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 COF 112.86 COG 23.21 COO 340.00 COP 101.16	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 COF 112.86 44590194659 COG 23.21 9203957856 COO 340.00 17965020034 COP 101.16 128246679293	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 COF 112.86 44590194659 COG 23.21 9203957856 COO 340.00 17965020034 COP 101.16 128246679293	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 COF 112.86 44590194659 COG 23.21 9203957856 COO 340.00 17965020034 COP 101.16 128246679293	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 COF 112.86 44590194659 COG 23.21 9203957856 COO 340.00 17965020034 COP 101.16 128246679293	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 COF 112.86 44590194659 COG 23.21 9203957856 COO 340.00 17965020034 COP 101.16 128246679293

https://sandbox.iexapis.com/stable/stock/COTY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
107	COG	23.21		9203957856					N/A
108	C00	340.00		17965020034					N/A
109	COP	101.16		128246679293					N/A
110	COST	542.00		247925517131					N/A
111	COTY	7.68		6344243453					N/A

[112 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CPB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	OI	Snares	to	виу
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
108	COO	340.00		17965020034					N/A
109	COP	101.16		128246679293					N/A
110	COST	542.00		247925517131					N/A
111	COTY	7.68		6344243453					N/A
112	CPB	51.01		15318203182					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
109	COP	101.16		128246679293					N/A
110	COST	542.00		247925517131					N/A
111	COTY	7.68		6344243453					N/A
112	CPB	51.01		15318203182					N/A
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[114 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CRM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
11	.0 COST	542.00		247925517131					N/A
11	.1 COTY	7.68		6344243453					N/A
11	.2 CPB	51.01		15318203182					N/A
11	.3 CPRT	128.40		31860602237					N/A
11	.4 CRM	188.94		188527744118					N/A

[115 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CSCO/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
111	COTY	7.68		6344243453					N/A
112	CPB	51.01		15318203182					N/A
113	CPRT	128.40		31860602237					N/A
114	CRM	188.94		188527744118					N/A
115	CSCO	45.84		192696021868					N/A

[116 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CSX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

{'avgTotalVolume': 15950791, 'calculationPrice': 'close', 'change': 0.64, 'changePercent': 0.02014, 'close': 33.16, 'closeSource': 'filcifao', 'closeTime': 1729644379806, 'companyN ame': 'CSX Corp.', 'currency': 'USD', 'delayedPrice': 33.27, 'delayedPriceTime': 167977043 1606, 'extendedChange': -0.11, 'extendedChangePercent': -0.0036, 'extendedPrice': 32.93, 'extendedPriceTime': 1700472845084, 'high': 33.16, 'highSource': 'aileircd e e euydlntpm 5', 'highTime': 1693633149821, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': Non e, 'iexBidSize': None, 'iexClose': 32.9, 'iexCloseTime': 1678205201733, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 32.33, 'iexOpenTime': 1696734071518, 'iexRealt imePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 172440549066 1, 'latestPrice': 33.2, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpd ate': 1678125085132, 'latestVolume': 11989437, 'low': 32, 'lowSource': ' etp ea iledycmdue 51rin', 'lowTime': 1684822254373, 'marketCap': 72287755838, 'oddLotDelayedPrice': 32.96, 'oddLotDelayedPriceTime': 1717710872122, 'open': 32, 'openTime': 1727065105498, 'openSour ce': 'ffioliac', 'peRatio': 18.55, 'previousClose': 32.29, 'previousVolume': 13537409, 'pr imaryExchange': 'SQNAAD', 'symbol': 'CSX', 'volume': 12001431, 'week52High': 39.33, 'week5 2Low': 28.7, 'ytdChange': -0.11611727217445147, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
112	CPB	51.01		15318203182					N/A
113	CPRT	128.40		31860602237					N/A
114	CRM	188.94		188527744118					N/A
115	CSCO	45.84		192696021868					N/A
116	CSX	33.20		72287755838					N/A

[117 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CTAS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
113	CPRT	128.40		31860602237					N/A
114	CRM	188.94		188527744118					N/A
115	CSCO	45.84		192696021868					N/A
116	CSX	33.20		72287755838					N/A
117	CTAS	431.60		44975338736					N/A

[118 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CTL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

{'avgTotalVolume': 12249968, 'calculationPrice': 'previousclose', 'change': 0, 'changePerc
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Exchange': 'gYecN Sxtk coawhkrnoEe ', 'symbol': 'CTL', 'volume': 0, 'week52High': 15.5, 'w
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
114	CRM	188.94		188527744118					N/A
115	CSCO	45.84		192696021868					N/A
116	CSX	33.20		72287755838					N/A
117	CTAS	431.60		44975338736					N/A
118	CTL	11.00		12335896123					N/A

[119 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CTSH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 3862699, 'calculationPrice': 'close', 'change': 1.16, 'changePercent': 0.01694, 'close': 69.06, 'closeSource': 'ifailfco', 'closeTime': 1708185833245, 'companyN ame': 'Cognizant Technology Solutions Corp. - Class A', 'currency': 'USD', 'delayedPrice': 71.3, 'delayedPriceTime': 1696084566216, 'extendedChange': 0.39, 'extendedChangePercent': 0.00601, 'extendedPrice': 70.75, 'extendedPriceTime': 1741239246670, 'high': 70.119, 'high': 70.119, 'high': 70.119, 'high': 70.119, 'high': 70.119, 'manual content of the content of th

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
115	CSCO	45.84		192696021868					N/A
116	CSX	33.20		72287755838					N/A
117	CTAS	431.60		44975338736					N/A
118	CTL	11.00		12335896123					N/A
119	CTSH	70.28		36357099419					N/A

[120 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CTVA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 2600347, 'calculationPrice': 'close', 'change': 0.6, 'changePercent': 0.01086, 'close': 58.05, 'closeSource': 'olaficif', 'closeTime': 1664081122003, 'companyN ame': 'Corteva Inc', 'currency': 'USD', 'delayedPrice': 58.96, 'delayedPriceTime': 1694076 474871, 'extendedChange': 0.2, 'extendedChangePercent': 0.00363, 'extendedPrice': 58.61, 'extendedPriceTime': 1737647432392, 'high': 60, 'highSource': 'p1 iluaei5n etdyerce dm', 'highTime': 1671144248332, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 60.3, 'iexCloseTime': 1659758049977, 'iexLastUpdated': No ne, 'iexMarketPercent': None, 'iexOpen': 60.3, 'iexOpenTime': 1715079984180, 'iexRealtimeP rice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1717205741134, 'latestPrice': 58.57, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpda te': 1710226319089, 'latestVolume': 2451549, 'low': 58.05, 'lowSource': 'creddieieultnep m5yal ', 'lowTime': 1681530337778, 'marketCap': 42125189463, 'oddLotDelayedPrice': 59.55, 'oddLotDelayedPriceTime': 1668670588327, 'open': 60, 'openTime': 1722846504678, 'openSour ce': 'iiafclfo', 'peRatio': 24.75, 'previousClose': 57.95, 'previousVolume': 2378312, 'pri maryExchange': 'AK ICK GYNC XHNWN.ECEESRTOO', 'symbol': 'CTVA', 'volume': 2429962, 'week5 2High': 64.36, 'week52Low': 40.7, 'ytdChange': 0.24483267590273314, 'isUSMarketOpen': Fals e }

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
116	CSX	33.20		72287755838					N/A
117	CTAS	431.60		44975338736					N/A
118	CTL	11.00		12335896123					N/A
119	CTSH	70.28		36357099419					N/A
120	CTVA	58.57		42125189463					N/A

[121 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CTXS/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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m1', 'highTime': 1694613037062, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': No ne, 'iexBidSize': None, 'iexClose': 102.86, 'iexCloseTime': 1668002404966, 'iexLastUpdate d': None, 'iexMarketPercent': None, 'iexOpen': 104.251, 'iexOpenTime': 1674781842108, 'iex RealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1668636 250966, 'latestPrice': 106.23, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'la testUpdate': 1659784663611, 'latestVolume': 703921, 'low': 104.95, 'lowSource': 'u peered i5ayline tcdml', 'lowTime': 1734559180652, 'marketCap': 13107597674, 'oddLotDelayedPrice': 106.21, 'oddLotDelayedPriceTime': 1722565756519, 'open': 105.57, 'openTime': 166336751568 6, 'openSource': 'lcaioffi', 'peRatio': 40, 'previousClose': 106.6, 'previousVolume': 1096 799, 'primaryExchange': 'AAQNSD', 'symbol': 'CTXS', 'volume': 717489, 'week52High': 117.3 6, 'week52Low': 78.51, 'ytdChange': 0.06975922317115128, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
117	CTAS	431.60		44975338736					N/A
118	CTL	11.00		12335896123					N/A
119	CTSH	70.28		36357099419					N/A
120	CTVA	58.57		42125189463					N/A
121	CTXS	106.23		13107597674					N/A

[122 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CVS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
118	CTL	11.00		12335896123					N/A
119	CTSH	70.28		36357099419					N/A
120	CTVA	58.57		42125189463					N/A
121	CTXS	106.23		13107597674					N/A
122	CVS	96.61		126306256324					N/A

[123 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CVX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

{'avgTotalVolume': 9189887, 'calculationPrice': 'close', 'change': 13.6, 'changePercent': 0.09187, 'close': 168.93, 'closeSource': 'fcoaflii', 'closeTime': 1694344147734, 'company Name': 'Chevron Corp.', 'currency': 'USD', 'delayedPrice': 168.89, 'delayedPriceTime': 169 9118839822, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 166.38, 'ext endedPriceTime': 1659570183190, 'high': 168.93, 'highSource': 'ecirel1 d5aputdmneyei', 'highTime': 1684262548157, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None,

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0		A	134.80		40650801779					N/A
1		AAL	13.86		9003151972					N/A
2		AAP	199.95		11784743480					N/A
3		AAPL	170.63		2682163395015					N/A
4		ABBV	143.55		257378286828					N/A
11	19	CTSH	70.28		36357099419					N/A
12	20	CTVA	58.57		42125189463					N/A
12	21	CTXS	106.23		13107597674					N/A
12	22	CVS	96.61		126306256324					N/A
12	23	CVX	164.22		337417924921					N/A

[124 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/CXO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

{'avgTotalVolume': 2653329, 'calculationPrice': 'previousclose', 'change': 0, 'changePerce nt': 0, 'close': 0, 'closeSource': 'iofficla', 'closeTime': None, 'companyName': 'Concho R esources Inc', 'currency': 'USD', 'delayedPrice': None, 'delayedPriceTime': None, 'extende dChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 68, 'extendedPriceTime': 1688279 199706, 'high': 71.28, 'highSource': 'e niaddercmt eipu y15el', 'highTime': 1660575682665, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClo se': 67.52, 'iexCloseTime': 1635047000983, 'iexLastUpdated': None, 'iexMarketPercent': Non e, 'iexOpen': 67.83, 'iexOpenTime': 1661476926030, 'iexRealtimePrice': None, 'iexRealtimeS ize': None, 'iexVolume': None, 'lastTradeTime': 1646948393578, 'latestPrice': 67.7, 'lates tSource': 'Previous close', 'latestTime': 'January 15, 2021', 'latestUpdate': 163355335805 2, 'latestVolume': 0, 'low': 0, 'lowSource': 'eue e pinddc5aterli1my', 'lowTime': 1658646 064169, 'marketCap': 13185549650, 'oddLotDelayedPrice': 66.3, 'oddLotDelayedPriceTime': 16 35879569816, 'open': 0, 'openTime': None, 'openSource': 'lfcofiai', 'peRatio': -1.32, 'pre viousClose': 67.5, 'previousVolume': 18802722, 'primaryExchange': 'NKNTI E,SYHRXEN OOKCE WGC.CA', 'symbol': 'CXO', 'volume': 0, 'week52High': 87.76, 'week52Low': 37.05, 'ytdChang e': 0.12758174667059297, 'isUSMarketOpen': False}

			,	<u>-</u> -		- ,			
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
120	CTVA	58.57		42125189463					N/A
121	CTXS	106.23		13107597674					N/A
122	CVS	96.61		126306256324					N/A
123	CVX	164.22		337417924921					N/A
124	CXO	67.70		13185549650					N/A

[125 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/D/quote?token=Tpk_059b97af715d417d9f49f50b51b1c44

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	Ticker	Price	Market	Capitalization	Number	Οİ	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
121	CTXS	106.23		13107597674					N/A
122	CVS	96.61		126306256324					N/A
123	CVX	164.22		337417924921					N/A
124	CXO	67.70		13185549650					N/A
125	D	84.71		67769091915					N/A

[126 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DAL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
122	CVS	96.61		126306256324					N/A
123	CVX	164.22		337417924921					N/A
124	CXO	67.70		13185549650					N/A
125	D	84.71		67769091915					N/A
126	DAL	32.70		21221462356					N/A

[127 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
123	CVX	164.22		337417924921					N/A
124	CXO	67.70		13185549650					N/A
125	D	84.71		67769091915					N/A
126	DAL	32.70		21221462356					N/A
127	DD	62.09		32508767306					N/A

[128 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
124	CXO	67.70		13185549650					N/A
125	D	84.71		67769091915					N/A
126	DAL	32.70		21221462356					N/A
127	DD	62.09		32508767306					N/A
128	DE	344.69		107323559797					N/A

[129 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DFS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
125	D	84.71		67769091915					N/A
126	DAL	32.70		21221462356					N/A
127	DD	62.09		32508767306					N/A
128	DE	344.69		107323559797					N/A
129	DFS	102.00		28424908526					N/A

[130 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
126	DAL	32.70		21221462356					N/A
127	DD	62.09		32508767306					N/A
128	DE	344.69		107323559797					N/A
129	DFS	102.00		28424908526					N/A
130	DG	258.11		57931144773					N/A

[131 rows x 4 columns]

'isUSMarketOpen': False}

https://sandbox.iexapis.com/stable/stock/DGX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
127	DD	62.09		32508767306					N/A
128	DE	344.69		107323559797					N/A
129	DFS	102.00		28424908526					N/A
130	DG	258.11		57931144773					N/A
131	DGX	138.11		16660090077					N/A

[132 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DHI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	TICKET	Price	Market	Capitalization	ишшрет	OI	Shares	LO	виу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
128	DE	344.69		107323559797					N/A
129	DFS	102.00		28424908526					N/A
130	DG	258.11		57931144773					N/A
131	DGX	138.11		16660090077					N/A
132	DHI	81.13		28327153226					N/A

[133 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DHR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
A	134.80		40650801779					N/A
AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
DFS	102.00		28424908526					N/A
DG	258.11		57931144773					N/A
DGX	138.11		16660090077					N/A
DHI	81.13		28327153226					N/A
DHR	303.31		212189610888					N/A
	A AAL AAP AAPL ABBV DFS DG DGX DHI	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 DFS 102.00 DG 258.11 DGX 138.11 DHI 81.13	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 DFS 102.00 DG 258.11 DGX 138.11 DHI 81.13	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DFS 102.00 28424908526 DG 258.11 57931144773 DGX 138.11 16660090077 DHI 81.13 28327153226	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DFS 102.00 28424908526 DG 258.11 57931144773 DGX 138.11 16660090077 DHI 81.13 28327153226	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DFS 102.00 28424908526 DG 258.11 57931144773 DGX 138.11 16660090077 DHI 81.13 28327153226	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DFS 102.00 28424908526 DG 258.11 57931144773 DGX 138.11 16660090077 DHI 81.13 28327153226	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DFS 102.00 28424908526 DG 258.11 57931144773 DGX 138.11 16660090077 DHI 81.13 28327153226

[134 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DIS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
130	DG	258.11		57931144773					N/A
131	DGX	138.11		16660090077					N/A
132	DHI	81.13		28327153226					N/A
133	DHR	303.31		212189610888					N/A
134	DIS	107.10		202555216614					N/A

[135 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DISCK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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    Ticker Price Market Capitalization Number Of Shares to Buy
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0	A	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
131	DGX	138.11	16660090077	N/A
132	DHI	81.13	28327153226	N/A
133	DHR	303.31	212189610888	N/A
134	DIS	107.10	202555216614	N/A
135	DISCK	25.01	None	N/A

[136 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DISH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Οİ	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
132	DHI	81.13		28327153226					N/A
133	DHR	303.31		212189610888					N/A
134	DIS	107.10		202555216614					N/A
135	DISCK	25.01		None					N/A
136	DISH	17.44		9275965522					N/A

[137 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DLR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
133	DHR	303.31		212189610888					N/A
134	DIS	107.10		202555216614					N/A
135	DISCK	25.01		None					N/A
136	DISH	17.44		9275965522					N/A
137	DLR	138.92		37895047978					N/A

[138 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DLTR/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	ΟÍ	Snares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
134	DIS	107.10		202555216614					N/A
135	DISCK	25.01		None					N/A
136	DISH	17.44		9275965522					N/A
137	DLR	138.92		37895047978					N/A
138	DLTR	171.99		37506589251					N/A

[139 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DOV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy
    A 134.80 40650801779
                                                   N/A
1
    AAL 13.86
                        9003151972
                                                   N/A
    AAP 199.95
                      11784743480
2
                                                   N/A
3
   AAPL 170.63
                     2682163395015
                                                   N/A
   ABBV 143.55
                      257378286828
                                                   N/A
           . . .
                                                   . . .
135 DISCK 25.01
                              None
                                                   N/A
136 DISH 17.44
                        9275965522
                                                   N/A
137 DLR 138.92
                       37895047978
                                                   N/A
138 DLTR 171.99
                       37506589251
                                                   N/A
139 DOV 135.00
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[140 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DOW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
136	DISH	17.44		9275965522					N/A
137	DLR	138.92		37895047978					N/A
138	DLTR	171.99		37506589251					N/A
139	DOV	135.00		19877038968					N/A
140	DOW	54.04		39085468273					N/A

[141 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DPZ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
137	DLR	138.92		37895047978					N/A
138	DLTR	171.99		37506589251					N/A
139	DOV	135.00		19877038968					N/A
140	DOW	54.04		39085468273					N/A
141	DPZ	402.18		14738530641					N/A

[142 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DRE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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•	,								
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
138	DLTR	171.99		37506589251					N/A
139	DOV	135.00		19877038968					N/A
140	DOW	54.04		39085468273					N/A
141	DPZ	402.18		14738530641					N/A
142	DRE	63.26		24675408495					N/A

[143 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DRI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
DOV	135.00		19877038968					N/A
DOW	54.04		39085468273					N/A
DPZ	402.18		14738530641					N/A
DRE	63.26		24675408495					N/A
DRI	125.34		15657875832					N/A
	A AAL AAP AAPL ABBV DOV DOW DPZ DRE	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 DOV 135.00 DOW 54.04 DPZ 402.18 DRE 63.26	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 DOV 135.00 DOW 54.04 DPZ 402.18 DRE 63.26	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOV 135.00 19877038968 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOV 135.00 19877038968 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOV 135.00 19877038968 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOV 135.00 19877038968 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOV 135.00 19877038968 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495

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https://sandbox.iexapis.com/stable/stock/DTE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
DOW	54.04		39085468273					N/A
DPZ	402.18		14738530641					N/A
DRE	63.26		24675408495					N/A
DRI	125.34		15657875832					N/A
DTE	134.10		25820529160					N/A
	A AAL AAP AAPL ABBV DOW DPZ DRE DRI	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 DOW 54.04 DPZ 402.18 DRE 63.26 DRI 125.34	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 DOW 54.04 DPZ 402.18 DRE 63.26 DRI 125.34	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495 DRI 125.34 15657875832	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495 DRI 125.34 15657875832	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495 DRI 125.34 15657875832	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495 DRI 125.34 15657875832	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 DOW 54.04 39085468273 DPZ 402.18 14738530641 DRE 63.26 24675408495 DRI 125.34 15657875832

[145 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DUK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
141	DPZ	402.18		14738530641					N/A
142	DRE	63.26		24675408495					N/A
143	DRI	125.34		15657875832					N/A
144	DTE	134.10		25820529160					N/A
145	DUK	114.49		87688490181					N/A

[146 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DVA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
142	DRE	63.26		24675408495					N/A
143	DRI	125.34		15657875832					N/A
144	DTE	134.10		25820529160					N/A
145	DUK	114.49		87688490181					N/A
146	DVA	86.44		8334401435					N/A

[147 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DVN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
143	DRI	125.34		15657875832					N/A
144	DTE	134.10		25820529160					N/A
145	DUK	114.49		87688490181					N/A
146	DVA	86.44		8334401435					N/A
147	DVN	63.96		41841838937					N/A

[148 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DXC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
144	DTE	134.10		25820529160					N/A
145	DUK	114.49		87688490181					N/A
146	DVA	86.44		8334401435					N/A
147	DVN	63.96		41841838937					N/A
148	DXC	32.50		7375228538					N/A

[149 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/DXCM/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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   Ticker Price Market Capitalization Number Of Shares to Buy
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                         40650801779
     AAL
1
           13.86
                           9003151972
                                                        N/A
2
     AAP 199.95
                          11784743480
                                                        N/A
3
    AAPL 170.63
                        2682163395015
                                                        N/A
                         257378286828
4
    ABBV 143.55
                                                        N/A
      . . .
                                                        . . .
           . . .
. .
                                  . . .
     DUK 114.49
                         87688490181
145
                                                        N/A
146
    DVA 86.44
                          8334401435
                                                        N/A
147
     DVN 63.96
                          41841838937
                                                        N/A
148
     DXC
           32.50
                           7375228538
                                                        N/A
149
    DXCM 83.32
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                                                        N/A
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https://sandbox.iexapis.com/stable/stock/EA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
146	DVA	86.44		8334401435					N/A
147	DVN	63.96		41841838937					N/A
148	DXC	32.50		7375228538					N/A
149	DXCM	83.32		32586118191					N/A
150	EA	134.89		37887375611					N/A

[151 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EBAY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 4895635, 'calculationPrice': 'close', 'change': 0.43, 'changePercent': 0.00909, 'close': 49.45, 'closeSource': 'ffcailio', 'closeTime': 1723039025052, 'companyN ame': 'EBay Inc.', 'currency': 'USD', 'delayedPrice': 50.45, 'delayedPriceTime': 169491970 2766, 'extendedChange': -0.24, 'extendedChangePercent': -0.00496, 'extendedPrice': 49.7, 'extendedPriceTime': 1696990887594, 'high': 51.5, 'highSource': 'uee elld de nmati5yipr c', 'highTime': 1703841894730, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': Non e, 'iexBidSize': None, 'iexClose': 50.51, 'iexCloseTime': 1664134974159, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 49.63, 'iexOpenTime': 1675104596946, 'iexRealt imePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 169581021496 8, 'latestPrice': 49.67, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUp date': 1695921371983, 'latestVolume': 7401314, 'low': 49.45, 'lowSource': 'Xeepm iciIE rtr el a', 'lowTime': 1724537407550, 'marketCap': 28127808530, 'oddLotDelayedPrice': 50.54, 'o ddLotDelayedPriceTime': 1735018497814, 'open': 51.5, 'openTime': 1709560321467, 'openSourc e': 'flicaofi', 'peRatio': 2.71, 'previousClose': 48.63, 'previousVolume': 5035914, 'prima ryExchange': 'SANAQD', 'symbol': 'EBAY', 'volume': 7280627, 'week52High': 81.31, 'week52Lo w': 41.36, 'ytdChange': -0.2669442636296, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
147	DVN	63.96		41841838937					N/A
148	DXC	32.50		7375228538					N/A
149	DXCM	83.32		32586118191					N/A
150	EΑ	134.89		37887375611					N/A
151	EBAY	49.67		28127808530					N/A

[152 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ECL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
148	DXC	32.50		7375228538					N/A
149	DXCM	83.32		32586118191					N/A
150	EΑ	134.89		37887375611					N/A
151	EBAY	49.67		28127808530					N/A
152	ECL	172.44		48849570811					N/A

[153 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ED/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
149	DXCM	83.32		32586118191					N/A
150	EA	134.89		37887375611					N/A
151	EBAY	49.67		28127808530					N/A
152	ECL	172.44		48849570811					N/A
153	ED	101.95		35177419419					N/A

[154 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EFX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
150	EA	134.89		37887375611					N/A
151	EBAY	49.67		28127808530					N/A
152	ECL	172.44		48849570811					N/A
153	ED	101.95		35177419419					N/A
154	EFX	210.51		25913350052					N/A

[155 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EIX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
151	EBAY	49.67		28127808530					N/A
152	ECL	172.44		48849570811					N/A
153	ED	101.95		35177419419					N/A
154	EFX	210.51		25913350052					N/A
155	EIX	70.31		26843651778					N/A

[156 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		_							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
152	ECL	172.44		48849570811					N/A
153	ED	101.95		35177419419					N/A
154	EFX	210.51		25913350052					N/A
155	EIX	70.31		26843651778					N/A
156	EL	282.70		99199363012					N/A

[157 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EMN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
153	ED	101.95		35177419419					N/A
154	EFX	210.51		25913350052					N/A
155	EIX	70.31		26843651778					N/A
156	EL	282.70		99199363012					N/A
157	EMN	99.50		12956218885					N/A

[158 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EMR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
154	EFX	210.51		25913350052					N/A
155	EIX	70.31		26843651778					N/A
156	EL	282.70		99199363012					N/A
157	EMN	99.50		12956218885					N/A
158	EMR	93.31		55448394547					N/A

[159 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EOG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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Ticker Price Market Capitalization Number Of Shares to Buy
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                        40650801779
                                                      N/A
1
     AAL 13.86
                          9003151972
                                                      N/A
2
     AAP 199.95
                         11784743480
                                                      N/A
                      2682163395015
    AAPL 170.63
3
                                                      N/A
    ABBV 143.55
4
                       257378286828
                                                      N/A
                                                      . . .
          70.31
155
     EIX
                        26843651778
                                                      N/A
156
     EL 282.70
                                                      N/A
                         99199363012
157
    EMN 99.50
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                                                     N/A
158
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                        55448394547
                                                      N/A
159
      EOG 113.21
                         65591437796
                                                      N/A
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[160 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EQIX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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0	A	134.80	4065080	1779	N/A
1	AAL	13.86	900315	51972	N/A
2	AAP	199.95	1178474	13480	N/A
3	AAPL	170.63	268216339	95015	N/A
4	ABBV	143.55	25737828	36828	N/A
156	EL	282.70	9919936	3012	N/A
157	EMN	99.50	1295621	8885	N/A
158	EMR	93.31	5544839	94547	N/A
159	EOG	113.21	6559143	37796	N/A
160	EQIX	706.90	6628450)5296	N/A

[161 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EQR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

0	A	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
157	EMN	99.50	12956218885	N/A
158	EMR	93.31	55448394547	N/A
159	EOG	113.21	65591437796	N/A
160	EQIX	706.90	66284505296	N/A
161	EQR	80.05	29930239222	N/A

[162 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ES/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
158	EMR	93.31		55448394547					N/A
159	EOG	113.21		65591437796					N/A
160	EQIX	706.90		66284505296					N/A
161	EQR	80.05		29930239222					N/A
162	ES	91.80		30731485536					N/A

[163 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ESS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

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A 134.80
                          40650801779
                                                        N/A
1
      AAL 13.86
                          9003151972
                                                        N/A
2
     AAP 199.95
                         11784743480
                                                        N/A
3
     AAPL 170.63
                       2682163395015
                                                        N/A
                        257378286828
4
    ABBV 143.55
                                                        N/A
     . . .
                                                        . . .
159
     EOG 113.21
                         65591437796
                                                       N/A
160
    EQIX 706.90
                          66284505296
                                                        N/A
161
    EQR 80.05
                                                        N/A
                          29930239222
162
      ES 91.80
                          30731485536
                                                        N/A
163
    ESS 299.52
                          19210895632
                                                        N/A
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[164 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ETFC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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9, 'week52Low': 26.48, 'ytdChange': 0, 'isUSMarketOpen': False}

,			,	,			_		,
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
160	EQIX	706.90		66284505296					N/A
161	EQR	80.05		29930239222					N/A
162	ES	91.80		30731485536					N/A
163	ESS	299.52		19210895632					N/A
164	ETFC	49.32		11224186999					N/A

[165 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ETN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy

0 A 134.80 40650801779 N/A

1 AAL 13.86 9003151972 N/A

```
AAP 199.95
                           11784743480
                                                         N/A
3
     AAPL 170.63
                         2682163395015
                                                         N/A
    ABBV 143.55
                         257378286828
                                                         N/A
             . . .
                                                         . . .
. .
161
     EOR
          80.05
                          29930239222
                                                         N/A
      ES 91.80
162
                          30731485536
                                                         N/A
163
     ESS 299.52
                                                         N/A
                          19210895632
164
    ETFC
          49.32
                           11224186999
                                                         N/A
165
    ETN 152.35
                                                         N/A
                           60272986007
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[166 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ETR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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,									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
162	ES	91.80		30731485536					N/A
163	ESS	299.52		19210895632					N/A
164	ETFC	49.32		11224186999					N/A
165	ETN	152.35		60272986007					N/A
166	ETR	119.79		23856565637					N/A

[167 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EVRG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

0 A 134.80 40650801779 N/A

1 AAL 13.86 9003151972 N/A

2 AAP 199.95 11784743480 N/A

```
3
     AAPL 170.63
                         2682163395015
                                                         N/A
     ABBV 143.55
                                                         N/A
4
                         257378286828
      . . .
            . . .
                                                         . . .
     ESS 299.52
                          19210895632
                                                         N/A
163
164
    ETFC
          49.32
                           11224186999
                                                         N/A
165
    ETN 152.35
                          60272986007
                                                         N/A
166
     ETR 119.79
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167
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[168 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		-							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
164	ETFC	49.32		11224186999					N/A
165	ETN	152.35		60272986007					N/A
166	ETR	119.79		23856565637					N/A
167	EVRG	68.59		15672227381					N/A
168	EW	103.30		64221364251					N/A

[169 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EXC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A

```
ABBV 143.55
                          257378286828
                                                         N/A
                                                         . . .
165
     ETN 152.35
                         60272986007
                                                        N/A
     ETR 119.79
                          23856565637
                                                        N/A
166
167
    EVRG
          68.59
                          15672227381
                                                        N/A
168
     EW 103.30
                          64221364251
                                                        N/A
169
    EXC 48.19
                          46694190551
                                                        N/A
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[170 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EXPD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
166	ETR	119.79		23856565637					N/A
167	EVRG	68.59		15672227381					N/A
168	EW	103.30		64221364251					N/A
169	EXC	48.19		46694190551					N/A
170	EXPD	106.35		17984945278					N/A

[171 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EXPE/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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A 134.80 0 40650801779 N/A 1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A

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. . .
             . . .
. .
                                    . . .
                                                            . . .
167
     EVRG
           68.59
                            15672227381
                                                           N/A
168
      EW 103.30
                           64221364251
                                                           N/A
169
      EXC
           48.19
                            46694190551
                                                           N/A
170
    EXPD 106.35
                            17984945278
                                                           N/A
171
    EXPE 107.01
                            16753723630
                                                           N/A
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[172 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/EXR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
168	EW	103.30		64221364251					N/A
169	EXC	48.19		46694190551					N/A
170	EXPD	106.35		17984945278					N/A
171	EXPE	107.01		16753723630					N/A
172	EXR	193.89		25735791289					N/A

[173 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/F/quote?token=Tpk_059b97af715d417d9f49f50b51b1c44

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	Ticker	Price	Market	Capitalization	Number	ΟÍ	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
. . .
. .
                                   . . .
                                                          . . .
      EXC 48.19
169
                           46694190551
                                                          N/A
170 EXPD 106.35
                          17984945278
                                                          N/A
    EXPE 107.01
171
                          16753723630
                                                          N/A
172
    EXR 193.89
                           25735791289
                                                          N/A
173
      F 15.02
                           59841713966
                                                          N/A
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[174 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FANG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
170	EXPD	106.35		17984945278					N/A
171	EXPE	107.01		16753723630					N/A
172	EXR	193.89		25735791289					N/A
173	F	15.02		59841713966					N/A
174	FANG	129.70		23102587596					N/A

[175 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FAST/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Price Market Capitalization Number Of Shares to Buy Ticker 0 A 134.80 40650801779 N/A 1 13.86 9003151972 N/A AAL 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A ABBV 143.55 257378286828 N/A

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EXPE 107.01
171
                            16753723630
                                                           N/A
172
     EXR 193.89
                                                           N/A
                            25735791289
173
        F
           15.02
                            59841713966
                                                           N/A
174
     FANG 129.70
                                                           N/A
                            23102587596
    FAST 51.94
175
                            30387084929
                                                           N/A
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[176 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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_				-					
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
172	EXR	193.89		25735791289					N/A
173	F	15.02		59841713966					N/A
174	FANG	129.70		23102587596					N/A
175	FAST	51.94		30387084929					N/A
176	FB	198.54		582682726041					N/A

[177 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FBHS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
173	F	15.02		59841713966					N/A

```
174
     FANG 129.70
                           23102587596
                                                         N/A
     FAST 51.94
175
                          30387084929
                                                         N/A
176
      FB 198.54
                         582682726041
                                                         N/A
                                                         N/A
177
    FBHS
          72.02
                            9274767265
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[178 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FCX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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a	inccopen .	rarbe,							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	А	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
1	74 FANG	129.70		23102587596					N/A
1	75 FAST	51.94		30387084929					N/A
1	76 FB	198.54		582682726041					N/A
1	77 FBHS	72.02		9274767265					N/A
1	78 FCX	33.05		46200851938					N/A

[179 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FDX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
175	FAST	51.94		30387084929					N/A

```
FB 198.54
176
                          582682726041
                                                          N/A
177
     FBHS 72.02
                            9274767265
                                                          N/A
178
     FCX 33.05
                           46200851938
                                                          N/A
      FDX 243.30
                                                          N/A
179
                           61405188176
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[180 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
176	FB	198.54		582682726041					N/A
177	FBHS	72.02		9274767265					N/A
178	FCX	33.05		46200851938					N/A
179	FDX	243.30		61405188176					N/A
180	FE	42.40		23523333850					N/A

[181 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FFIV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	ΟÍ	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
177	FBHS	72.02		9274767265					N/A
178	FCX	33.05		46200851938					N/A

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179 FDX 243.30 61405188176 N/A
180 FE 42.40 23523333850 N/A
181 FFIV 175.63 10308781524 N/A
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[182 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FIS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
178	FCX	33.05		46200851938					N/A
179	FDX	243.30		61405188176					N/A
180	FE	42.40		23523333850					N/A
181	FFIV	175.63		10308781524					N/A
182	FIS	103.33		63076644847					N/A

[183 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FISV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
179	FDX	243.30		61405188176					N/A
180	FE	42.40		23523333850					N/A
181	FFIV	175.63		10308781524					N/A

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182 FIS 103.33 63076644847 N/A
183 FISV 106.76 68505001075 N/A
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[184 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FITB/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
180	FE	42.40		23523333850					N/A
181	FFIV	175.63		10308781524					N/A
182	FIS	103.33		63076644847					N/A
183	FISV	106.76		68505001075					N/A
184	FITB	34.98		23413882226					N/A

[185 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FLIR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	50)								
	Ticke	r Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AA	L 13.86		9003151972					N/A
2	AA	P 199.95		11784743480					N/A
3	AAP	L 170.63		2682163395015					N/A
4	ABB'	V 143.55		257378286828					N/A
18	31 FFI	V 175.63		10308781524					N/A
18	32 FI	s 103.33		63076644847					N/A
18	33 FIS	V 106.76		68505001075					N/A
18	34 FIT	в 34.98		23413882226					N/A
18	35 FLI	R 58.18		7918280850					N/A

[186 rows x 4 columns] https://sandbox.iexapis.com/stable/stock/FLS/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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- ,									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
182	FIS	103.33		63076644847					N/A
183	FISV	106.76		68505001075					N/A
184	FITB	34.98		23413882226					N/A
185	FLIR	58.18		7918280850					N/A
186	FLS	34.03		4426485558					N/A

[187 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FLT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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1100	open . I	arbe)							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
183	FISV	106.76		68505001075					N/A
184	FITB	34.98		23413882226					N/A
185	FLIR	58.18		7918280850					N/A
186	FLS	34.03		4426485558					N/A
187	FLT	229.88		17778506701					N/A

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   Ticker Price Market Capitalization Number Of Shares to Buy
        A 134.80
                           40650801779
                                                            N/A
\cap
1
      AAL
           13.86
                             9003151972
                                                            N/A
2
     AAP 199.95
                           11784743480
                                                            N/A
3
    AAPL 170.63
                         2682163395015
                                                            N/A
    ABBV 143.55
4
                                                            N/A
                          257378286828
      . . .
                                                            . . .
. .
             . . .
                                    . . .
184
    FITB 34.98
                           23413882226
                                                            N/A
185
    FLIR 58.18
                            7918280850
                                                           N/A
           34.03
186
     FLS
                             4426485558
                                                            N/A
187
      FLT 229.88
                                                            N/A
                            17778506701
188
    FMC 114.30
                           14073968046
                                                            N/A
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    Ticker
           Price Market Capitalization Number Of Shares to Buy
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       A 134.80
                           40650801779
1
           13.86
                             9003151972
                                                            N/A
      AAT.
2
      AAP 199.95
                            11784743480
                                                            N/A
3
    AAPL 170.63
                         2682163395015
                                                            N/A
    ABBV 143.55
                          257378286828
                                                            N/A
             . . .
                                                            . . .
. .
                                    . . .
185
    FLIR
            58.18
                            7918280850
                                                            N/A
186
    FLS 34.03
                             4426485558
                                                            N/A
                           17778506701
187
     FLT 229.88
                                                            N/A
```

FMC 114.30

FOX 32.00

14073968046

18272595252

N/A

N/A

188

189

https://sandbox.iexapis.com/stable/stock/FOXA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	TICKEL	Price	Market	Capitalization	ишшрет	OI	Shares	LO	виу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
186	FLS	34.03		4426485558					N/A
187	FLT	229.88		17778506701					N/A
188	FMC	114.30		14073968046					N/A
189	FOX	32.00		18272595252					N/A
190	FOXA	33.76		17939437410					N/A

[191 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FRC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
187	FLT	229.88		17778506701					N/A
188	FMC	114.30		14073968046					N/A
189	FOX	32.00		18272595252					N/A
190	FOXA	33.76		17939437410					N/A
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[192 rows x 4 columns]

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- /		I		-,					
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
188	FMC	114.30		14073968046					N/A
189	FOX	32.00		18272595252					N/A
190	FOXA	33.76		17939437410					N/A
191	FRC	164.01		28030521837					N/A
192	FRT	105.84		8593874936					N/A

[193 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FTI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 0 40650801779 N/A 1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A ABBV 143.55 257378286828 N/A 189 FOX 32.00 18272595252 N/A FOXA 33.76 190 17939437410 N/A FRC 164.01 191 28030521837 N/A FRT 105.84 192 8593874936 N/A 193 FTI 8.24 3704770904 N/A

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		,			,				_
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
190	FOXA	33.76		17939437410					N/A
191	FRC	164.01		28030521837					N/A
192	FRT	105.84		8593874936					N/A
193	FTI	8.24		3704770904					N/A
194	FTNT	59.83		9595851890					N/A

[195 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/FTV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
FRC	164.01		28030521837					N/A
FRT	105.84		8593874936					N/A
FTI	8.24		3704770904					N/A
FTNT	59.83		9595851890					N/A
FTV	65.93		23016171425					N/A
	A AAL AAP AAPL ABBV FRC FRT FTI FTII	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 FRC 164.01 FRT 105.84 FTI 8.24 FTNT 59.83	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 FRC 164.01 FRT 105.84 FTI 8.24 FTNT 59.83	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 FRC 164.01 28030521837 FRT 105.84 8593874936 FTI 8.24 3704770904 FTNT 59.83 9595851890	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 FRC 164.01 28030521837 FRT 105.84 8593874936 FTI 8.24 3704770904 FTNT 59.83 9595851890	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 FRC 164.01 28030521837 FRT 105.84 8593874936 FTI 8.24 3704770904 FTNT 59.83 9595851890	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 FRC 164.01 28030521837 FRT 105.84 8593874936 FTI 8.24 3704770904 FTNT 59.83 9595851890	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 FRC 164.01 28030521837 FRT 105.84 8593874936 FTI 8.24 3704770904 FTNT 59.83 9595851890

[196 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Τ -		,							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
192	FRT	105.84		8593874936					N/A
193	FTI	8.24		3704770904					N/A
194	FTNT	59.83		9595851890					N/A
195	FTV	65.93		23016171425					N/A
196	GD	235.46		65052691221					N/A

[197 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
193	FTI	8.24		3704770904					N/A
194	FTNT	59.83		9595851890					N/A
195	FTV	65.93		23016171425					N/A
196	GD	235.46		65052691221					N/A
197	GE	74.34		81606412644					N/A

[198 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GILD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
194	FTNT	59.83		9595851890					N/A
195	FTV	65.93		23016171425					N/A
196	GD	235.46		65052691221					N/A
197	GE	74.34		81606412644					N/A
198	GILD	62.47		78607578832					N/A

[199 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GIS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Οf	Shares	t o	B1137
0			MATRCC	-	Number	OI	bilaics		_
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
195	FTV	65.93		23016171425					N/A
196	GD	235.46		65052691221					N/A
197	GE	74.34		81606412644					N/A
198	GILD	62.47		78607578832					N/A
199	GIS	75.11		45853240749					N/A

[200 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4 48

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
196	GD	235.46		65052691221					N/A
197	GE	74.34		81606412644					N/A
198	GILD	62.47		78607578832					N/A
199	GIS	75.11		45853240749					N/A
200	GL	102.80		10100898582					N/A

[201 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GLW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
197	GE	74.34		81606412644					N/A
198	GILD	62.47		78607578832					N/A
199	GIS	75.11		45853240749					N/A
200	GL	102.80		10100898582					N/A
201	GLW	36.88		31180470187					N/A

[202 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
198	GILD	62.47		78607578832					N/A
199	GIS	75.11		45853240749					N/A
200	GL	102.80		10100898582					N/A
201	GLW	36.88		31180470187					N/A
202	GM	37.25		54016415132					N/A

[203 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GOOG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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-									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
199	GIS	75.11		45853240749					N/A
200	GL	102.80		10100898582					N/A
201	GLW	36.88		31180470187					N/A
202	GM	37.25		54016415132					N/A
203	GOOG	121.55		79877848820					N/A

[204 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GOOGL/quote?token=Tpk_059b97af715d417d9f49f50b51b 1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
200	GL	102.80		10100898582					N/A
201	GLW	36.88		31180470187					N/A
202	GM	37.25		54016415132					N/A
203	GOOG	121.55		79877848820					N/A
204	GOOGL	120.93		81220901760					N/A

[205 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GPC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
201	GLW	36.88		31180470187					N/A
202	GM	37.25		54016415132					N/A
203	GOOG	121.55		79877848820					N/A
204	GOOGL	120.93		81220901760					N/A
205	GPC	155.50		22617661937					N/A

[206 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GPN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
202	GM	37.25		54016415132					N/A
203	GOOG	121.55		79877848820					N/A
204	GOOGL	120.93		81220901760					N/A
205	GPC	155.50		22617661937					N/A
206	GPN	126.41		34526381862					N/A

[207 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GPS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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 Ticker Price Market Capitalization Number Of Shares to Buy

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
203	GOOG	121.55		79877848820					N/A
204	GOOGL	120.93		81220901760					N/A
205	GPC	155.50		22617661937					N/A
206	GPN	126.41		34526381862					N/A
207	GPS	9.65		3632494042					N/A

[208 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GRMN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Οİ	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
204	GOOGL	120.93		81220901760					N/A
205	GPC	155.50		22617661937					N/A
206	GPN	126.41		34526381862					N/A
207	GPS	9.65		3632494042					N/A
208	GRMN	100.36		18947548554					N/A

[209 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
205	GPC	155.50		22617661937					N/A
206	GPN	126.41		34526381862					N/A
207	GPS	9.65		3632494042					N/A
208	GRMN	100.36		18947548554					N/A
209	GS	346.87		115479106442					N/A

[210 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/GWW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
206	GPN	126.41		34526381862					N/A
207	GPS	9.65		3632494042					N/A
208	GRMN	100.36		18947548554					N/A
209	GS	346.87		115479106442					N/A
210	GWW	545.72		27867628288					N/A

[211 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HAL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
GPS	9.65		3632494042					N/A
GRMN	100.36		18947548554					N/A
GS	346.87		115479106442					N/A
GWW	545.72		27867628288					N/A
HAL	30.60		27687291459					N/A
	A AAL AAP AAPL ABBV GPS GRMN GS GWW	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 GPS 9.65 GRMN 100.36 GS 346.87 GWW 545.72	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 GPS 9.65 GRMN 100.36 GS 346.87 GWW 545.72	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 GPS 9.65 3632494042 GRMN 100.36 18947548554 GS 346.87 115479106442 GWW 545.72 27867628288	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 GPS 9.65 3632494042 GRMN 100.36 18947548554 GS 346.87 115479106442 GWW 545.72 27867628288	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 GPS 9.65 3632494042 GRMN 100.36 18947548554 GS 346.87 115479106442 GWW 545.72 27867628288	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 GPS 9.65 3632494042 GRMN 100.36 18947548554 GS 346.87 115479106442 GWW 545.72 27867628288	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 GPS 9.65 3632494042 GRMN 100.36 18947548554 GS 346.87 115479106442 GWW 545.72 27867628288

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https://sandbox.iexapis.com/stable/stock/HAS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
208	GRMN	100.36		18947548554					N/A
209	GS	346.87		115479106442					N/A
210	GWW	545.72		27867628288					N/A
211	HAL	30.60		27687291459					N/A
212	HAS	79.10		11096406748					N/A

[213 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HBAN/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
209	GS	346.87		115479106442					N/A
210	GWW	545.72		27867628288					N/A
211	HAL	30.60		27687291459					N/A
212	HAS	79.10		11096406748					N/A
213	HBAN	13.51		19741828165					N/A

[214 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HBI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
210	GWW	545.72		27867628288					N/A
211	HAL	30.60		27687291459					N/A
212	HAS	79.10		11096406748					N/A
213	HBAN	13.51		19741828165					N/A
214	HBI	11.48		3964897077					N/A

[215 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HCA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		I	,						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
211	HAL	30.60		27687291459					N/A
212	HAS	79.10		11096406748					N/A
213	HBAN	13.51		19741828165					N/A
214	HBI	11.48		3964897077					N/A
215	HCA	215.37		64612741844					N/A

[216 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
212	HAS	79.10		11096406748					N/A
213	HBAN	13.51		19741828165					N/A
214	HBI	11.48		3964897077					N/A
215	HCA	215.37		64612741844					N/A
216	HD	305.38		320477969330					N/A

[217 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HES/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
213	HBAN	13.51		19741828165					N/A
214	HBI	11.48		3964897077					N/A
215	HCA	215.37		64612741844					N/A
216	HD	305.38		320477969330					N/A
217	HES	115.98		36024368504					N/A

[218 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HIG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
214	HBI	11.48		3964897077					N/A
215	HCA	215.37		64612741844					N/A
216	HD	305.38		320477969330					N/A
217	HES	115.98		36024368504					N/A
218	HIG	67.25		20999019129					N/A

[219 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HII/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
215	HCA	215.37		64612741844					N/A
216	HD	305.38		320477969330					N/A
217	HES	115.98		36024368504					N/A
218	HIG	67.25		20999019129					N/A
219	HII	223.61		8762330320					N/A

[220 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HLT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

{'avgTotalVolume': 2351506, 'calculationPrice': 'close', 'change': 0.07, 'changePercent': 0.00057, 'close': 134.12, 'closeSource': 'iffcaloi', 'closeTime': 1707084285145, 'company Name': 'Hilton Worldwide Holdings Inc', 'currency': 'USD', 'delayedPrice': 131.5, 'delayed PriceTime': 1697115098016, 'extendedChange': -0.68, 'extendedChangePercent': -0.00532, 'extendedPrice': 131.15, 'extendedPriceTime': 1664605205101, 'high': 134.12, 'highSource': 'et5r lydcied lumieapn', 'highTime': 1708105585922, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexCloseTime': 1667186204

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
216	HD	305.38		320477969330					N/A
217	HES	115.98		36024368504					N/A
218	HIG	67.25		20999019129					N/A
219	HII	223.61		8762330320					N/A
220	HLT	130.83		36468662086					N/A

[221 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HOLX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
217	HES	115.98		36024368504					N/A
218	HIG	67.25		20999019129					N/A
219	HII	223.61		8762330320					N/A
220	HLT	130.83		36468662086					N/A
221	HOLX	74.53		18161111831					N/A

[222 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HON/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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                          40650801779
1
           13.86
                            9003151972
                                                           N/A
     AAL
2
      AAP 199.95
                           11784743480
                                                           N/A
3
    AAPL 170.63
                        2682163395015
                                                          N/A
    ABBV 143.55
                         257378286828
                                                          N/A
            . . .
                                                           . . .
. .
                                   . . .
                          20999019129
218
      HIG
           67.25
                                                          N/A
219 HII 223.61
                           8762330320
                                                          N/A
220
     HLT 130.83
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221
    HOLX
           74.53
                           18161111831
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[223 rows x 4 columns]

222 HON 199.76

https://sandbox.iexapis.com/stable/stock/HPE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
219	HII	223.61		8762330320					N/A
220	HLT	130.83		36468662086					N/A
221	HOLX	74.53		18161111831					N/A
222	HON	199.76		135081114813					N/A
223	HPE	14.28		18827858690					N/A

135081114813

[224 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HPQ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
220	HLT	130.83		36468662086					N/A
221	HOLX	74.53		18161111831					N/A
222	HON	199.76		135081114813					N/A
223	HPE	14.28		18827858690					N/A
224	HPQ	33.81		36132498601					N/A

[225 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HRB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
221	HOLX	74.53		18161111831					N/A
222	HON	199.76		135081114813					N/A
223	HPE	14.28		18827858690					N/A
224	HPQ	33.81		36132498601					N/A
225	HRB	41.29		6396693559					N/A

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https://sandbox.iexapis.com/stable/stock/HRL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
HON	199.76		135081114813					N/A
HPE	14.28		18827858690					N/A
HPQ	33.81		36132498601					N/A
HRB	41.29		6396693559					N/A
HRL	51.77		27447012114					N/A
	A AAL AAP AAPL ABBV HON HPE HPQ HRB	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 HON 199.76 HPE 14.28 HPQ 33.81 HRB 41.29	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 HON 199.76 HPE 14.28 HPQ 33.81 HRB 41.29	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HON 199.76 135081114813 HPE 14.28 18827858690 HPQ 33.81 36132498601 HRB 41.29 6396693559	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HON 199.76 135081114813 HPE 14.28 18827858690 HPQ 33.81 36132498601 HRB 41.29 6396693559	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HON 199.76 135081114813 HPE 14.28 18827858690 HPQ 33.81 36132498601 HRB 41.29 6396693559	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HON 199.76 135081114813 HPE 14.28 18827858690 HPQ 33.81 36132498601 HRB 41.29 6396693559	AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HON 199.76 135081114813 HPE 14.28 18827858690 HPQ 33.81 36132498601 HRB 41.29 6396693559

[227 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HSIC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
223	HPE	14.28		18827858690					N/A
224	HPQ	33.81		36132498601					N/A
225	HRB	41.29		6396693559					N/A
226	HRL	51.77		27447012114					N/A
227	HSIC	80.01		11054106788					N/A

[228 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HST/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
224	HPQ	33.81		36132498601					N/A
225	HRB	41.29		6396693559					N/A
226	HRL	51.77		27447012114					N/A
227	HSIC	80.01		11054106788					N/A
228	HST	18.61		12914552913					N/A

[229 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HSY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
225	HRB	41.29		6396693559					N/A
226	HRL	51.77		27447012114					N/A
227	HSIC	80.01		11054106788					N/A
228	HST	18.61		12914552913					N/A
229	HSY	229.57		48784297857					N/A

[230 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HUM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
226	HRL	51.77		27447012114					N/A
227	HSIC	80.01		11054106788					N/A
228	HST	18.61		12914552913					N/A
229	HSY	229.57		48784297857					N/A
230	HUM	499.00		63256010790					N/A

[231 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/HWM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
227	HSIC	80.01		11054106788					N/A
228	HST	18.61		12914552913					N/A
229	HSY	229.57		48784297857					N/A
230	HUM	499.00		63256010790					N/A
231	HWM	38.40		15552835888					N/A

[232 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IBM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
HST	18.61		12914552913					N/A
HSY	229.57		48784297857					N/A
HUM	499.00		63256010790					N/A
MWH	38.40		15552835888					N/A
IBM	135.82		122950033179					N/A
	A AAL AAP AAPL ABBV HST HSY HUM HWM	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 HST 18.61 HSY 229.57 HUM 499.00 HWM 38.40	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 HST 18.61 HSY 229.57 HUM 499.00 HWM 38.40	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HST 18.61 12914552913 HSY 229.57 48784297857 HUM 499.00 63256010790 HWM 38.40 15552835888	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HST 18.61 12914552913 HSY 229.57 48784297857 HUM 499.00 63256010790 HWM 38.40 15552835888	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HST 18.61 12914552913 HSY 229.57 48784297857 HUM 499.00 63256010790 HWM 38.40 15552835888	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HST 18.61 12914552913 HSY 229.57 48784297857 HUM 499.00 63256010790 HWM 38.40 15552835888	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 HST 18.61 12914552913 HSY 229.57 48784297857 HUM 499.00 63256010790 HWM 38.40 15552835888

[233 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ICE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
229	HSY	229.57		48784297857					N/A
230	HUM	499.00		63256010790					N/A
231	HWM	38.40		15552835888					N/A
232	IBM	135.82		122950033179					N/A
233	ICE	103.36		58257588645					N/A

[234 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IDXX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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     A 134.80
                                                          N/A
1
     AAL 13.86
                           9003151972
                                                         N/A
     AAP 199.95
2
                          11784743480
                                                         N/A
3
    AAPL 170.63
                        2682163395015
                                                         N/A
```

N/A

. . .

N/A

N/A

N/A

N/A

N/A

257378286828

63256010790

15552835888

122950033179

58257588645

34968366060

[235 rows x 4 columns]

IDXX 409.85

ABBV 143.55

HUM 499.00

HWM 38.40

IBM 135.82

ICE 103.36

230

231

232

233

234

. . .

https://sandbox.iexapis.com/stable/stock/IEX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
231	HWM	38.40		15552835888					N/A
232	IBM	135.82		122950033179					N/A
233	ICE	103.36		58257588645					N/A
234	IDXX	409.85		34968366060					N/A
235	IEX	215.66		16087359583					N/A

[236 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IFF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy
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                       40650801779
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    AAL 13.86
                        9003151972
                                                    N/A
    AAP 199.95
                       11784743480
2
                                                    N/A
3
   AAPL 170.63
                     2682163395015
                                                    N/A
   ABBV 143.55
                      257378286828
                                                    N/A
           . . .
                                                    . . .
                      122950033179
     IBM 135.82
232
                                                    N/A
233
    ICE 103.36
                       58257588645
                                                    N/A
234 IDXX 409.85
                       34968366060
                                                    N/A
    IEX 215.66
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235
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236 IFF 129.89
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                                                    N/A
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[237 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ILMN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
233	ICE	103.36		58257588645					N/A
234	IDXX	409.85		34968366060					N/A
235	IEX	215.66		16087359583					N/A
236	IFF	129.89		33101318023					N/A
237	ILMN	224.13		34950197744					N/A

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https://sandbox.iexapis.com/stable/stock/INCY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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                                                         N/A
0
     AAL 13.86
1
                           9003151972
                                                         N/A
2
     AAP 199.95
                          11784743480
                                                         N/A
3
    AAPL 170.63
                        2682163395015
                                                         N/A
4
    ABBV 143.55
                        257378286828
                                                         N/A
     . . .
                                                         . . .
234
   IDXX 409.85
                          34968366060
                                                        N/A
235
     IEX 215.66
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                                                        N/A
     IFF 129.89
                                                         N/A
236
                          33101318023
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[239 rows x 4 columns]

ILMN 224.13

INCY 78.37

237

238

https://sandbox.iexapis.com/stable/stock/INFO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

N/A

N/A

34950197744

17888805472

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
235	IEX	215.66		16087359583					N/A
236	IFF	129.89		33101318023					N/A
237	ILMN	224.13		34950197744					N/A
238	INCY	78.37		17888805472					N/A
239	INFO	108.80		45967116751					N/A

[240 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/INTC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Price Market Capitalization Number Of Shares to Buy
   Ticker
0
      A 134.80
                        40650801779
                                                      N/A
1
     AAL 13.86
                         9003151972
                                                      N/A
2
     AAP 199.95
                        11784743480
                                                      N/A
                      2682163395015
    AAPL 170.63
3
                                                      N/A
    ABBV 143.55
4
                       257378286828
                                                      N/A
           . . .
                                                      . . .
     IFF 129.89
236
                        33101318023
                                                      N/A
237
     ILMN 224.13
                         34950197744
                                                      N/A
238
   INCY 78.37
                        17888805472
                                                      N/A
239
    INFO 108.80
                        45967116751
                                                      N/A
240
     INTC 37.97
                                                      N/A
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https://sandbox.iexapis.com/stable/stock/INTU/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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A 134.80 40650801779 N/A 1 AAL 13.86 9003151972 N/A AAP 199.95 2 11784743480 N/A AAPL 170.63 3 2682163395015 N/A ABBV 143.55 257378286828 N/A 237 ILMN 224.13 34950197744 N/A 238 INCY 78.37 17888805472 N/A 239 INFO 108.80 N/A 45967116751 240 INTC 37.97 152386619957 N/A INTU 465.56 241 127964326536 N/A

[242 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

0	А	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
238	INCY	78.37	17888805472	N/A
239	INFO	108.80	45967116751	N/A
240	INTC	37.97	152386619957	N/A
241	INTU	465.56	127964326536	N/A
242	IP	43.13	16506407084	N/A

[243 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IPG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
239	INFO	108.80		45967116751					N/A
240	INTC	37.97		152386619957					N/A
241	INTU	465.56		127964326536					N/A
242	IP	43.13		16506407084					N/A
243	IPG	31.00		11816483823					N/A

[244 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IPGP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
240	INTC	37.97	152386619957	N/A
241	INTU	465.56	127964326536	N/A
242	IP	43.13	16506407084	N/A
243	IPG	31.00	11816483823	N/A
244	IPGP	108.30	5694374294	N/A

[245 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IQV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
241	INTU	465.56		127964326536					N/A
242	IP	43.13		16506407084					N/A
243	IPG	31.00		11816483823					N/A
244	IPGP	108.30		5694374294					N/A
245	IQV	248.74		46187043991					N/A

[246 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy
O A 134.80 40650801779 N/A

1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
242	IP	43.13	16506407084	N/A
243	IPG	31.00	11816483823	N/A
244	IPGP	108.30	5694374294	N/A
245	IQV	248.74	46187043991	N/A
246	IR	50.40	20872014489	N/A

[247 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IRM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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	1	AAL	13.86		9003151972					N/A
	2	AAP	199.95		11784743480					N/A
	3	AAPL	170.63		2682163395015					N/A
	4	ABBV	143.55		257378286828					N/A
	243	IPG	31.00		11816483823					N/A
	244	IPGP	108.30		5694374294					N/A
	245	IQV	248.74		46187043991					N/A
	246	IR	50.40		20872014489					N/A
	247	IRM	49.27		14154085366					N/A

[248 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ISRG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

A 134.80 40650801779 N/A

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AAL
           13.86
                            9003151972
                                                          N/A
2
     AAP 199.95
                           11784743480
                                                          N/A
3
     AAPL 170.63
                        2682163395015
                                                         N/A
    ABBV 143.55
4
                         257378286828
                                                         N/A
     . . .
            . . .
. .
                                  . . .
                                                          . . .
244
    IPGP 108.30
                           5694374294
                                                         N/A
245
     IQV 248.74
                                                         N/A
                          46187043991
246
      IR
          50.40
                           20872014489
                                                         N/A
247
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248
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                           84898619366
                                                         N/A
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[249 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/IT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
IQV	248.74		46187043991					N/A
IR	50.40		20872014489					N/A
IRM	49.27		14154085366					N/A
ISRG	233.56		84898619366					N/A
IT	276.53		22232689601					N/A
	A AAL AAP AAPL ABBV IQV IR IRM ISRG	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 IQV 248.74 IR 50.40 IRM 49.27 ISRG 233.56	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 IQV 248.74 IR 50.40 IRM 49.27 ISRG 233.56	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 IQV 248.74 46187043991 IR 50.40 20872014489 IRM 49.27 14154085366 ISRG 233.56 84898619366	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 IQV 248.74 46187043991 IR 50.40 20872014489 IRM 49.27 14154085366 ISRG 233.56 84898619366	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 IQV 248.74 46187043991 IR 50.40 20872014489 IRM 49.27 14154085366 ISRG 233.56 84898619366	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 IQV 248.74 46187043991 IR 50.40 20872014489 IRM 49.27 14154085366 ISRG 233.56 84898619366	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 IQV 248.74 46187043991 IR 50.40 20872014489 IRM 49.27 14154085366 ISRG 233.56 84898619366

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https://sandbox.iexapis.com/stable/stock/ITW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy
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1 AAL 13.86 9003151972 N/A

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AAP 199.95
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                                                          N/A
3
     AAPL 170.63
                         2682163395015
                                                          N/A
    ABBV 143.55
                         257378286828
                                                          N/A
             . . .
                                                          . . .
. .
246
      IR
          50.40
                          20872014489
                                                          N/A
     IRM 49.27
247
                          14154085366
                                                          N/A
248
    ISRG 233.56
                                                          N/A
                          84898619366
      IT 276.53
249
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                                                          N/A
250
     ITW 211.75
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                                                          N/A
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https://sandbox.iexapis.com/stable/stock/IVZ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
247	IRM	49.27		14154085366					N/A
248	ISRG	233.56		84898619366					N/A
249	IT	276.53		22232689601					N/A
250	ITW	211.75		66383592997					N/A
251	IVZ	17.78		8311540051					N/A

[252 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/J/quote?token=Tpk_059b97af715d417d9f49f50b51b1c44

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Ticker Price Market Capitalization Number Of Shares to Buy
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1 AAL 13.86 9003151972 N/A

```
AAP 199.95
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                                                          N/A
3
     AAPL 170.63
                         2682163395015
                                                          N/A
    ABBV 143.55
                         257378286828
                                                          N/A
      . . .
            . . .
                                                          . . .
. .
248
    ISRG 233.56
                          84898619366
                                                          N/A
      IT 276.53
249
                          22232689601
                                                          N/A
250
     ITW 211.75
                                                          N/A
                          66383592997
251
      IVZ 17.78
                           8311540051
                                                          N/A
     J 137.90
2.52
                           18007151194
                                                          N/A
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https://sandbox.iexapis.com/stable/stock/JBHT/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
249	ΙT	276.53		22232689601					N/A
250	ITW	211.75		66383592997					N/A
251	IVZ	17.78		8311540051					N/A
252	J	137.90		18007151194					N/A
253	JBHT	186.14		19311004227					N/A

[254 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/JCI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy
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1 AAL 13.86 9003151972 N/A

```
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3
     AAPL 170.63
                         2682163395015
                                                         N/A
    ABBV 143.55
                         257378286828
                                                         N/A
            . . .
                                                         . . .
. .
      ITW 211.75
250
                          66383592997
                                                         N/A
     IVZ 17.78
251
                           8311540051
                                                         N/A
                          18007151194
252
      J 137.90
                                                         N/A
253
     JBHT 186.14
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                                                         N/A
254
    JCI 55.38
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                                                         N/A
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[255 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/JKHY/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
251	IVZ	17.78		8311540051					N/A
252	J	137.90		18007151194					N/A
253	JBHT	186.14		19311004227					N/A
254	JCI	55.38		38401604461					N/A
255	JKHY	214.58		15614162417					N/A

[256 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/JNJ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy 0 A 134.80 40650801779 N/A 1 AAL 13.86 9003151972 N/A

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                                                          N/A
3
     AAPL 170.63
                                                          N/A
                         2682163395015
     ABBV 143.55
                         257378286828
                                                          N/A
. .
            . . .
                                                          . . .
252
      J 137.90
                           18007151194
                                                          N/A
253
     JBHT 186.14
                          19311004227
                                                          N/A
254
     JCI 55.38
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256
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https://sandbox.iexapis.com/stable/stock/JNPR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
253	JBHT	186.14		19311004227					N/A
254	JCI	55.38		38401604461					N/A
255	JKHY	214.58		15614162417					N/A
256	JNJ	182.65		473374165351					N/A
257	JNPR	28.20		9384196312					N/A

[258 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/JPM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A

```
3
     AAPL 170.63
                          2682163395015
                                                            N/A
     ABBV 143.55
                                                            N/A
4
                           257378286828
      . . .
              . . .
                                                            . . .
. .
254
      JCI
           55.38
                           38401604461
                                                            N/A
255
    JKHY 214.58
                            15614162417
                                                           N/A
256
     JNJ 182.65
                           473374165351
                                                           N/A
257
    JNPR 28.20
                                                           N/A
                            9384196312
258
      JPM 116.18
                           353187222877
                                                            N/A
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https://sandbox.iexapis.com/stable/stock/K/quote?token=Tpk_059b97af715d417d9f49f50b51b1c44 8

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
255	JKHY	214.58		15614162417					N/A
256	JNJ	182.65		473374165351					N/A
257	JNPR	28.20		9384196312					N/A
258	JPM	116.18		353187222877					N/A
259	K	75.28		24990102140					N/A

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https://sandbox.iexapis.com/stable/stock/KEY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A

```
3
     AAPL 170.63
                         2682163395015
                                                         N/A
4
     ABBV 143.55
                         257378286828
                                                         N/A
                                                         . . .
             . . .
256
      JNJ 182.65
                         473374165351
                                                         N/A
                           9384196312
257
    JNPR 28.20
                                                         N/A
    JPM 116.18
258
                         353187222877
                                                         N/A
259
      K 75.28
                          24990102140
                                                         N/A
260
      KEY
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                          17615685040
                                                         N/A
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https://sandbox.iexapis.com/stable/stock/KEYS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
257	JNPR	28.20		9384196312					N/A
258	JPM	116.18		353187222877					N/A
259	K	75.28		24990102140					N/A
260	KEY	18.50		17615685040					N/A
261	KEYS	168.00		29997420152					N/A

[262 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KHC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 0 40650801779 N/A N/A 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A

```
4
      ABBV 143.55
                            257378286828
                                                              N/A
                                                               . . .
258
       JPM 116.18
                            353187222877
                                                              N/A
            75.28
259
                             24990102140
                                                              N/A
        K
            18.50
260
       KEY
                             17615685040
                                                              N/A
      KEYS 168.00
                             29997420152
261
                                                              N/A
262
      KHC
             38.43
                             45182978313
                                                              N/A
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[263 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KIM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
K	75.28		24990102140					N/A
KEY	18.50		17615685040					N/A
KEYS	168.00		29997420152					N/A
KHC	38.43		45182978313					N/A
KIM	23.21		14169596848					N/A
	A AAL AAP AAPL ABBV K KEY KEYS KHC	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 K 75.28 KEY 18.50 KEYS 168.00 KHC 38.43	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 K 75.28 KEY 18.50 KEYS 168.00 KHC 38.43	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 K 75.28 24990102140 KEY 18.50 17615685040 KEYS 168.00 29997420152 KHC 38.43 45182978313	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 K 75.28 24990102140 KEY 18.50 17615685040 KEYS 168.00 29997420152 KHC 38.43 45182978313	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 K 75.28 24990102140 KEY 18.50 17615685040 KEYS 168.00 29997420152 KHC 38.43 45182978313	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 K 75.28 24990102140 KEY 18.50 17615685040 KEYS 168.00 29997420152 KHC 38.43 45182978313	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 K 75.28 24990102140 KEY 18.50 17615685040 KEYS 168.00 29997420152 KHC 38.43 45182978313

[264 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KLAC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	iickei	PLICE	Market	Capitalization	Number	OI	Shares	LO	виу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
. . .
             . . .
. .
                                     . . .
                                                              . . .
260
      KEY
           18.50
                             17615685040
                                                             N/A
261
    KEYS 168.00
                            29997420152
                                                             N/A
262
      KHC
            38.43
                             45182978313
                                                             N/A
           23.21
263
      KIM
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                                                             N/A
264
     KLAC 387.66
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                                                             N/A
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https://sandbox.iexapis.com/stable/stock/KMB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
261	KEYS	168.00		29997420152					N/A
262	KHC	38.43		45182978313					N/A
263	KIM	23.21		14169596848					N/A
264	KLAC	387.66		59016330746					N/A
265	KMB	133.12		46403236387					N/A

[266 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KMI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	А	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

• •			• • •	• • •
262	KHC	38.43	45182978313	N/A
263	KIM	23.21	14169596848	N/A
264	KLAC	387.66	59016330746	N/A
265	KMB	133.12	46403236387	N/A
266	KMI	18.15	42339725270	N/A

[267 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KMX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
263	KIM	23.21		14169596848					N/A
264	KLAC	387.66		59016330746					N/A
265	KMB	133.12		46403236387					N/A
266	KMI	18.15		42339725270					N/A
267	KMX	100.05		16231530672					N/A

[268 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
264
     KLAC 387.66
                             59016330746
                                                             N/A
265
      KMB 133.12
                                                             N/A
                            46403236387
266
      KMI
            18.15
                            42339725270
                                                            N/A
                                                             N/A
267
      KMX 100.05
                            16231530672
268
       KO
            65.08
                           283291881946
                                                             N/A
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[269 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
265	KMB	133.12		46403236387					N/A
266	KMI	18.15		42339725270					N/A
267	KMX	100.05		16231530672					N/A
268	KO	65.08		283291881946					N/A
269	KR	47.01		33658673593					N/A

[270 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KSS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
266
      KMI
           18.15
                           42339725270
                                                          N/A
      KMX 100.05
267
                          16231530672
                                                          N/A
268
      KO 65.08
                         283291881946
                                                          N/A
                                                          N/A
269
      KR 47.01
                          33658673593
            29.34
270
      KSS
                            3822161091
                                                          N/A
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[271 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/KSU/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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				-					
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
267	KMX	100.05		16231530672					N/A
268	KO	65.08		283291881946					N/A
269	KR	47.01		33658673593					N/A
270	KSS	29.34		3822161091					N/A
271	KSU	294.28		26921566787					N/A

[272 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/L/quote?token=Tpk_059b97af715d417d9f49f50b51b1c44

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 40650801779 0 N/A 1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A KO 65.08 283291881946 N/A 269 KR 47.01 33658673593 N/A

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270 KSS 29.34 3822161091 N/A
271 KSU 294.28 26921566787 N/A
272 L 60.45 14609668108 N/A
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[273 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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			,	<u>-</u>	,				
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
269	KR	47.01		33658673593					N/A
270	KSS	29.34		3822161091					N/A
271	KSU	294.28		26921566787					N/A
272	L	60.45		14609668108					N/A
273	LB	80.06		22989003189					N/A

[274 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LDOS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	TTCMCT	LLICC	Market Capitaliz	acton Number	OI	DITALCS	Duy
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1	AAL	13.86	90031	51972			N/A
2	AAP	199.95	117847	43480			N/A
3	AAPL	170.63	26821633	95015			N/A
4	ABBV	143.55	2573782	86828			N/A
270	KSS	29.34	38221	61091			N/A
271	KSU	294.28	269215	66787			N/A
272	L	60.45	146096	68108			N/A
273	LB	80.06	229890	0.31.89			N/A

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274 LDOS 108.00
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15047082059

N/A

[275 rows x 4 columns]
https://sandbox.iexapis.com/stable/stock/LEG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
271	KSU	294.28		26921566787					N/A
272	L	60.45		14609668108					N/A
273	LB	80.06		22989003189					N/A
274	LDOS	108.00		15047082059					N/A
275	LEG	39.83		5343087286					N/A

[276 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LEN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
272	L	60.45		14609668108					N/A
273	LB	80.06		22989003189					N/A
274	LDOS	108.00		15047082059					N/A
275	LEG	39.83		5343087286					N/A
276	LEN	85.00		24744935993					N/A

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https://sandbox.iexapis.com/stable/stock/LH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
273	LB	80.06		22989003189					N/A
274	LDOS	108.00		15047082059					N/A
275	LEG	39.83		5343087286					N/A
276	LEN	85.00		24744935993					N/A
277	LH	264.20		25436280151					N/A

[278 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LHX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
274	LDOS	108.00		15047082059					N/A
275	LEG	39.83		5343087286					N/A
276	LEN	85.00		24744935993					N/A
277	LH	264.20		25436280151					N/A
278	LHX	244.94		47578985338					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
275	LEG	39.83		5343087286					N/A
276	LEN	85.00		24744935993					N/A
277	LH	264.20		25436280151					N/A
278	LHX	244.94		47578985338					N/A
279	LIN	310.00		151665209843					N/A

[280 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LKQ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
276	LEN	85.00		24744935993					N/A
277	LH	264.20		25436280151					N/A
278	LHX	244.94		47578985338					N/A
279	LIN	310.00		151665209843					N/A
280	LKQ	56.92		15516887836					N/A

[281 rows x 4 columns] https://sandbox.iexapis.com/stable/stock/LLY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
277	LH	264.20		25436280151					N/A
278	LHX	244.94		47578985338					N/A
279	LIN	310.00		151665209843					N/A
280	LKQ	56.92		15516887836					N/A
281	LLY	333.31		323413377279					N/A

[282 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LMT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
278	LHX	244.94		47578985338					N/A
279	LIN	310.00		151665209843					N/A
280	LKQ	56.92		15516887836					N/A
281	LLY	333.31		323413377279					N/A
282	LMT	424.23		114184763025					N/A

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[283 rows x 4 columns]
https://sandbox.iexapis.com/stable/stock/LNC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c
448
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50)									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
279	LIN	310.00		151665209843					N/A
280	LKQ	56.92		15516887836					N/A
281	LLY	333.31		323413377279					N/A
282	LMT	424.23		114184763025					N/A
283	LNC	53.59		8850016027					N/A

[284 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LNT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy 0 A 134.80 40650801779 1 13.86 9003151972 N/A AAL 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A ABBV 143.55 257378286828 N/A 56.92 280 LKQ 15516887836 N/A 281 LLY 333.31 323413377279 N/A 282 LMT 424.23 114184763025 N/A 283 LNC 53.59 8850016027 N/A 284 16013996428 N/A LNT 61.12

https://sandbox.iexapis.com/stable/stock/LOW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 3178863, 'calculationPrice': 'close', 'change': 0.77, 'changePercent': 0.00387, 'close': 193.51, 'closeSource': 'ofaicifl', 'closeTime': 1706925778997, 'company Name': 'Lowe's Cos., Inc.', 'currency': 'USD', 'delayedPrice': 200.46, 'delayedPriceTime': 1719073188116, 'extendedChange': -0.01, 'extendedChangePercent': -5e-05, 'extendedPrice': 192.61, 'extendedPriceTime': 1676521974320, 'high': 198.25, 'highSource': '1rd nteayu pee cmei5 ild', 'highTime': 1669539356118, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPri ce': None, 'iexBidSize': None, 'iexClose': 196.68, 'iexCloseTime': 1660828519641, 'iexLast Updated': None, 'iexMarketPercent': None, 'iexOpen': 192.586, 'iexOpenTime': 170297928544 3, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1739626889854, 'latestPrice': 199.58, 'latestSource': 'Close', 'latestTime': 'July 29, 20 22', 'latestUpdate': 1734745324504, 'latestVolume': 4725459, 'low': 192.25, 'lowSource': 'icn upldr iyee5 mdat1ee', 'lowTime': 1697417505429, 'marketCap': 123732310326, 'oddLotDe layedPrice': 191.64, 'oddLotDelayedPriceTime': 1726426794672, 'open': 198.25, 'openTime': 1703612772508, 'openSource': 'licffaoi', 'peRatio': 16.09, 'previousClose': 195.1, 'previ ousVolume': 6037511, 'primaryExchange': 'TEGWEHCNRCA.EIO NCOX NYK K S', 'symbol': 'LOW', 'volume': 4566710, 'week52High': 265.71, 'week52Low': 170.47, 'ytdChange': -0.25121665828 082695, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
281	LLY	333.31		323413377279					N/A
282	LMT	424.23		114184763025					N/A
283	LNC	53.59		8850016027					N/A
284	LNT	61.12		16013996428					N/A
285	LOW	199.58		123732310326					N/A

[286 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LRCX/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
282	LMT	424.23		114184763025					N/A
283	LNC	53.59		8850016027					N/A
284	LNT	61.12		16013996428					N/A
285	LOW	199.58		123732310326					N/A
286	LRCX	524.21		69497360395					N/A

https://sandbox.iexapis.com/stable/stock/LUV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
283	LNC	53.59		8850016027					N/A
284	LNT	61.12		16013996428					N/A
285	LOW	199.58		123732310326					N/A
286	LRCX	524.21		69497360395					N/A
287	LUV	39.33		22856151122					N/A

[288 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LVS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
284	LNT	61.12		16013996428					N/A
285	LOW	199.58		123732310326					N/A
286	LRCX	524.21		69497360395					N/A
287	LUV	39.33		22856151122					N/A
288	LVS	39.48		30127064026					N/A

https://sandbox.iexapis.com/stable/stock/LW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
285	LOW	199.58		123732310326					N/A
286	LRCX	524.21		69497360395					N/A
287	LUV	39.33		22856151122					N/A
288	LVS	39.48		30127064026					N/A
289	LW	80.87		11753378791					N/A

[290 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/LYB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
286	LRCX	524.21		69497360395					N/A
287	LUV	39.33		22856151122					N/A
288	LVS	39.48		30127064026					N/A
289	LW	80.87		11753378791					N/A
290	LYB	92.52		29916048220					N/A

https://sandbox.iexapis.com/stable/stock/LYV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
287	LUV	39.33		22856151122					N/A
288	LVS	39.48		30127064026					N/A
289	LW	80.87		11753378791					N/A
290	LYB	92.52		29916048220					N/A
291	LYV	98.64		22222829183					N/A

[292 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
288	LVS	39.48		30127064026					N/A
289	LW	80.87		11753378791					N/A
290	LYB	92.52		29916048220					N/A
291	LYV	98.64		22222829183					N/A
292	MA	367.74		343602221070					N/A

https://sandbox.iexapis.com/stable/stock/MAA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 577821, 'calculationPrice': 'close', 'change': 1.77, 'changePercent': 0.00958, 'close': 194.62, 'closeSource': 'oflcaifi', 'closeTime': 1708243445016, 'company Name': 'Mid-America Apartment Communities, Inc.', 'currency': 'USD', 'delayedPrice': 192, 'delayedPriceTime': 1729080558546, 'extendedChange': 0, 'extendedChangePercent': 0, 'exte ndedPrice': 192.79, 'extendedPriceTime': 1700506428477, 'high': 194.62, 'highSource': 'dte r ecaiyl15p deenium', 'highTime': 1704177440544, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 191.21, 'iexCloseTime': 170226470732 1, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 191.66, 'iexOpenTime': 166 2772206660, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTra deTime': 1710428796333, 'latestPrice': 194.79, 'latestSource': 'Close', 'latestTime': 'Jul y 29, 2022', 'latestUpdate': 1681120786096, 'latestVolume': 769543, 'low': 191.1, 'lowSour ce': 'p lieraect emIXEri', 'lowTime': 1671171513084, 'marketCap': 21501374204, 'oddLotDel ayedPrice': 193.94, 'oddLotDelayedPriceTime': 1734861581654, 'open': 194.28, 'openTime': 1 690857087877, 'openSource': 'lfoiiafc', 'peRatio': 37.22, 'previousClose': 191.05, 'previo usVolume': 886127, 'primaryExchange': 'OCGRYT W.KNE XEOCH NNS AKCIE', 'symbol': 'MAA', 'vo lume': 763667, 'week52High': 237.67, 'week52Low': 164.88, 'ytdChange': -0.170714589881908 6, 'isUSMarketOpen': False}

		_							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
289	LW	80.87		11753378791					N/A
290	LYB	92.52		29916048220					N/A
291	LYV	98.64		22222829183					N/A
292	MA	367.74		343602221070					N/A
293	MAA	194.79		21501374204					N/A

[294 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MAR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 2100816, 'calculationPrice': 'close', 'change': 0.77, 'changePercent': 0.00468, 'close': 163.4, 'closeSource': 'flfiioac', 'closeTime': 1681719848668, 'companyN ame': 'Marriott International, Inc. - Class A', 'currency': 'USD', 'delayedPrice': 166.71, 'delayedPriceTime': 1721887934832, 'extendedChange': 0.25, 'extendedChangePercent': 0.001 59, 'extendedPrice': 164.89, 'extendedPriceTime': 1713607159075, 'high': 164.88, 'highSour ce': 'dieemdi 5uarn1yecetlp', 'highTime': 1705719076405, 'iexAskPrice': None, 'iexAskSiz e': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 164.18, 'iexCloseTime': 169 0041357031, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 164.3, 'iexOpenTi me': 1740613085271, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1700179222621, 'latestPrice': 164.72, 'latestSource': 'Close', 'latestTi me': 'July 29, 2022', 'latestUpdate': 1666250003828, 'latestVolume': 1990180, 'low': 162.3 2, 'lowSource': 'relp1 dauteyinimdee5c ', 'lowTime': 1679799411195, 'marketCap': 53552562 068, 'oddLotDelayedPrice': 164.14, 'oddLotDelayedPriceTime': 1715053047103, 'open': 164.8 7, 'openTime': 1733443134535, 'openSource': 'filfcaio', 'peRatio': 35.75, 'previousClose': 158.56, 'previousVolume': 1741184, 'primaryExchange': 'QASDNA', 'symbol': 'MAR', 'volum e': 2025864, 'week52High': 204.46, 'week52Low': 131.8, 'ytdChange': -0.03358146017049244, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
290	LYB	92.52		29916048220					N/A
291	LYV	98.64		22222829183					N/A
292	MA	367.74		343602221070					N/A
293	MAA	194.79		21501374204					N/A
294	MAR	164.72		53552562068					N/A

https://sandbox.iexapis.com/stable/stock/MAS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 1869911, 'calculationPrice': 'close', 'change': 0.1, 'changePercent': 0.00186, 'close': 57.75, 'closeSource': 'ifloafic', 'closeTime': 1730400990140, 'companyN ame': 'Masco Corp.', 'currency': 'USD', 'delayedPrice': 57.96, 'delayedPriceTime': 1735860 305441, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 56.98, 'extended PriceTime': 1701011947660, 'high': 57.75, 'highSource': 'dn ia l1de yue5epeitmcr', 'highTi me': 1700495251598, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidS ize': None, 'iexClose': 56.52, 'iexCloseTime': 1684317232285, 'iexLastUpdated': None, 'iex MarketPercent': None, 'iexOpen': 56.64, 'iexOpenTime': 1732573175677, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1674449007505, 'latest Price': 57.16, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 172 6910242487, 'latestVolume': 1714168, 'low': 55.1, 'lowSource': 'eXtI i erEpcia emrl', 'low Time': 1719480690763, 'marketCap': 13002048923, 'oddLotDelayedPrice': 56.42, 'oddLotDelaye dPriceTime': 1719200790568, 'open': 55.64, 'openTime': 1709213193768, 'openSource': 'affoi lic', 'peRatio': 15.55, 'previousClose': 55.35, 'previousVolume': 3517816, 'primaryExchang e': 'H NEAEN.SEICKNYOCWT X C ORGK', 'symbol': 'MAS', 'volume': 1770245, 'week52High': 71. 4, 'week52Low': 48.44, 'ytdChange': -0.20822978324624022, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
291	LYV	98.64		22222829183					N/A
292	MA	367.74		343602221070					N/A
293	MAA	194.79		21501374204					N/A
294	MAR	164.72		53552562068					N/A
295	MAS	57.16		13002048923					N/A

[296 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MCD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
292	MA	367.74		343602221070					N/A
293	MAA	194.79		21501374204					N/A
294	MAR	164.72		53552562068					N/A
295	MAS	57.16		13002048923					N/A
296	MCD	272.31		195974023134					N/A

[297 rows x 4 columns]

{'avgTotalVolume': 4065254, 'calculationPrice': 'close', 'change': 1.5, 'changePercent': 0.02272, 'close': 69.44, 'closeSource': 'ioicffla', 'closeTime': 1733999523228, 'companyN ame': 'Microchip Technology, Inc.', 'currency': 'USD', 'delayedPrice': 71.47, 'delayedPric eTime': 1718464439401, 'extendedChange': -0.06, 'extendedChangePercent': -0.0009, 'extende dPrice': 70.8, 'extendedPriceTime': 1707657362944, 'high': 71.97, 'highSource': 'eidyid 1e lareum t5 ncep', 'highTime': 1733737777136, 'iexAskPrice': None, 'iexAskSize': None, 'iexB idPrice': None, 'iexBidSize': None, 'iexClose': 70.77, 'iexCloseTime': 1707404620588, 'iex LastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 69.35, 'iexOpenTime': 17140469734 61, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1697117953376, 'latestPrice': 71.47, 'latestSource': 'Close', 'latestTime': 'July 29, 202 2', 'latestUpdate': 1662678822478, 'latestVolume': 4073543, 'low': 67.6, 'lowSource': 'irl 5ecedylta eupem dni', 'lowTime': 1688757712468, 'marketCap': 39725612406, 'oddLotDelayedP rice': 68.98, 'oddLotDelayedPriceTime': 1716971253739, 'open': 67.6, 'openTime': 167317546 4070, 'openSource': 'iffoical', 'peRatio': 30.76, 'previousClose': 70.28, 'previousVolum e': 3039122, 'primaryExchange': 'DSAQAN', 'symbol': 'MCHP', 'volume': 4016916, 'week52Hig h': 168.86, 'week52Low': 55.54, 'ytdChange': -0.19203368358693748, 'isUSMarketOpen': Fals e }

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
293	MAA	194.79		21501374204					N/A
294	MAR	164.72		53552562068					N/A
295	MAS	57.16		13002048923					N/A
296	MCD	272.31		195974023134					N/A
297	MCHP	71.47		39725612406					N/A

[298 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MCK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	I S O DITAL IX	copen .	rarscj						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
29	4 MAR	164.72		53552562068					N/A
29	5 MAS	57.16		13002048923					N/A
29	6 MCD	272.31		195974023134					N/A
29	7 MCHP	71.47		39725612406					N/A
29	8 MCK	350.77		51481638168					N/A

[299 rows x 4 columns]

{'avgTotalVolume': 885240, 'calculationPrice': 'close', 'change': 3.97, 'changePercent': 0.01314, 'close': 320.98, 'closeSource': 'ocflfaii', 'closeTime': 1740190644644, 'company Name': 'Moody's Corp.', 'currency': 'USD', 'delayedPrice': 323.11, 'delayedPriceTime': 168 8225598945, 'extendedChange': -1.15, 'extendedChangePercent': -0.00374, 'extendedPrice': 3 15.07, 'extendedPriceTime': 1720701761412, 'high': 320.98, 'highSource': ' leeiXrpI Eierm atc', 'highTime': 1681255015058, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': N one, 'iexBidSize': None, 'iexClose': 323.86, 'iexCloseTime': 1740426974582, 'iexLastUpdate d': None, 'iexMarketPercent': None, 'iexOpen': 305.59, 'iexOpenTime': 1701730229804, 'iexR ealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 17107967 00441, 'latestPrice': 315.33, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'lat estUpdate': 1731171375327, 'latestVolume': 847664, 'low': 308.31, 'lowSource': 'l eaeicdyt eie mln rdup5', 'lowTime': 1677789312666, 'marketCap': 59661011995, 'oddLotDelayedPrice': 314, 'oddLotDelayedPriceTime': 1699975469854, 'open': 311.17, 'openTime': 1718848560259, 'openSource': 'aoiflcif', 'peRatio': 34.77, 'previousClose': 312.49, 'previousVolume': 98 5239, 'primaryExchange': 'NOOGAYKE.NESI REWT CNXKCHC', 'symbol': 'MCO', 'volume': 83560 2, 'week52High': 427.21, 'week52Low': 254.15, 'ytdChange': -0.2021734517984728, 'isUSMarke tOpen': False}

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
295	MAS	57.16		13002048923					N/A
296	MCD	272.31		195974023134					N/A
297	MCHP	71.47		39725612406					N/A
298	MCK	350.77		51481638168					N/A
299	MCO	315.33		59661011995					N/A

[300 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MDLZ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
296	MCD	272.31		195974023134					N/A
297	MCHP	71.47		39725612406					N/A
298	MCK	350.77		51481638168					N/A
299	MCO	315.33		59661011995					N/A
300	MDLZ	64.58		88996749321					N/A

[301 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MDT/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

{'avgTotalVolume': 5057088, 'calculationPrice': 'close', 'change': -1, 'changePercent': -0.0102, 'close': 92.77, 'closeSource': 'lcffoiia', 'closeTime': 1735639949103, 'companyNam e': 'Medtronic Plc', 'currency': 'USD', 'delayedPrice': 96, 'delayedPriceTime': 1673898993 691, 'extendedChange': 0.99, 'extendedChangePercent': 0.01108, 'extendedPrice': 94.6, 'ext endedPriceTime': 1705245132714, 'high': 96.67, 'highSource': 'te 5 iddncpre laeimuyle', 'h ighTime': 1715045968545, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'ie xBidSize': None, 'iexClose': 92.99, 'iexCloseTime': 1720523975048, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 97.48, 'iexOpenTime': 1703807945517, 'iexRealtimePri ce': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1678491772927, 'la testPrice': 93.56, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 1667968050900, 'latestVolume': 7047117, 'low': 92.77, 'lowSource': 'tal ciepdirdm u5elny ee', 'lowTime': 1710393401688, 'marketCap': 128481978449, 'oddLotDelayedPrice': 95.26, 'od dLotDelayedPriceTime': 1706727388811, 'open': 95.76, 'openTime': 1672188276998, 'openSourc e': 'oilaicff', 'peRatio': 25.8, 'previousClose': 97.19, 'previousVolume': 4868654, 'prima ryExchange': ' XCCHKE.RONENGSECWN AKTOY I ', 'symbol': 'MDT', 'volume': 6939759, 'week52Hi gh': 136.44, 'week52Low': 89.25, 'ytdChange': -0.1043566953453894, 'isUSMarketOpen': Fals e }

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
297	MCHP	71.47		39725612406					N/A
298	MCK	350.77		51481638168					N/A
299	MCO	315.33		59661011995					N/A
300	MDLZ	64.58		88996749321					N/A
301	MDT	93.56		128481978449					N/A

[302 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MET/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	TICKET	FIICE	Market	Capitalization	Number	OI	Silates	LO	ьиу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
298	MCK	350.77		51481638168					N/A
299	MCO	315.33		59661011995					N/A
300	MDLZ	64.58		88996749321					N/A
301	MDT	93.56		128481978449					N/A
302	MET	65.59		51550482145					N/A

{'avgTotalVolume': 4234267, 'calculationPrice': 'close', 'change': 0.12, 'changePercent': 0.00371, 'close': 34.03, 'closeSource': 'facfioli', 'closeTime': 1709570493811, 'companyN ame': 'MGM Resorts International', 'currency': 'USD', 'delayedPrice': 33.45, 'delayedPrice Time': 1702002723888, 'extendedChange': -0.17, 'extendedChangePercent': -0.0052, 'extended Price': 33.76, 'extendedPriceTime': 1734826202760, 'high': 34.2, 'highSource': 'rditue e5a clmeildpyn e', 'highTime': 1683450020120, 'iexAskPrice': None, 'iexAskSize': None, 'iexBi dPrice': None, 'iexBidSize': None, 'iexClose': 34.29, 'iexCloseTime': 1706853331618, 'iexL astUpdated': None, 'iexMarketPercent': None, 'iexOpen': 33.231, 'iexOpenTime': 17338349143 40, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1659935785456, 'latestPrice': 33.04, 'latestSource': 'Close', 'latestTime': 'July 29, 202 2', 'latestUpdate': 1687295338130, 'latestVolume': 3954284, 'low': 32.92, 'lowSource': 'ip dyee5emrn ceaud 1 lit', 'lowTime': 1728347763024, 'marketCap': 14435514529, 'oddLotDelayed Price': 32.86, 'oddLotDelayedPriceTime': 1701234897767, 'open': 32.92, 'openTime': 1665700 061285, 'openSource': 'lacffioi', 'peRatio': 10.5, 'previousClose': 33.65, 'previousVolum e': 4421745, 'primaryExchange': 'IS HEENTC OX.GNKOR ANWEYKCC', 'symbol': 'MGM', 'volume': 3864530, 'week52High': 53.05, 'week52Low': 26.87, 'ytdChange': -0.2672921035594743, 'isUS MarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
299	MCO	315.33		59661011995					N/A
300	MDLZ	64.58		88996749321					N/A
301	MDT	93.56		128481978449					N/A
302	MET	65.59		51550482145					N/A
303	MGM	33.04		14435514529					N/A

[304 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MHK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
300	MDLZ	64.58		88996749321					N/A
301	MDT	93.56		128481978449					N/A
302	MET	65.59		51550482145					N/A
303	MGM	33.04		14435514529					N/A
304	MHK	129.21		8556173214					N/A

[305 rows x 4 columns]

{'avgTotalVolume': 1160728, 'calculationPrice': 'close', 'change': -0.18, 'changePercent': -0.00213, 'close': 87.41, 'closeSource': 'floafcii', 'closeTime': 1662039189247, 'company Name': 'McCormick & Co., Inc. (Non Voting)', 'currency': 'USD', 'delayedPrice': 91.32, 'de layedPriceTime': 1689009554509, 'extendedChange': 0, 'extendedChangePercent': 0, 'extended Price': 89.82, 'extendedPriceTime': 1691519880392, 'high': 90.084, 'highSource': 'p ua5ele mryite ndci 1de', 'highTime': 1702959530451, 'iexAskPrice': None, 'iexAskSize': None, 'iex BidPrice': None, 'iexBidSize': None, 'iexClose': 89.55, 'iexCloseTime': 1676365365698, 'ie xLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 87.006, 'iexOpenTime': 172761337 5187, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTim e': 1724485396854, 'latestPrice': 90.18, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 1669875730077, 'latestVolume': 2371945, 'low': 87.41, 'lowSource': 'Xe ir epaerEltIic m', 'lowTime': 1689125121372, 'marketCap': 23692244565, 'oddLotDelayed Price': 88.51, 'oddLotDelayedPriceTime': 1659882210970, 'open': 89.43, 'openTime': 1710525 306731, 'openSource': 'oilicfaf', 'peRatio': 36.07, 'previousClose': 88.62, 'previousVolum e': 1216684, 'primaryExchange': 'EIRN HKNX OA COKWECS TY.GENC', 'symbol': 'MKC', 'volume': 2430374, 'week52High': 106.53, 'week52Low': 79.28, 'ytdChange': -0.09472978881621395, 'is USMarketOpen': False}

	_		•						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
301	MDT	93.56		128481978449					N/A
302	MET	65.59		51550482145					N/A
303	MGM	33.04		14435514529					N/A
304	MHK	129.21		8556173214					N/A
305	MKC	90.18		23692244565					N/A

[306 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MKTX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
302	MET	65.59		51550482145					N/A
303	MGM	33.04		14435514529					N/A
304	MHK	129.21		8556173214					N/A
305	MKC	90.18		23692244565					N/A
306	MKTX	271.07		10301370866					N/A

[307 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MLM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	I		- ,						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
303	MGM	33.04		14435514529					N/A
304	MHK	129.21		8556173214					N/A
305	MKC	90.18		23692244565					N/A
306	MKTX	271.07		10301370866					N/A
307	MLM	359.78		22266023485					N/A

[308 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MMC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 2197867, 'calculationPrice': 'close', 'change': 2.22, 'changePercent': 0.01384, 'close': 170.13, 'closeSource': 'foafcili', 'closeTime': 1670773466984, 'company Name': 'Marsh & McLennan Cos., Inc.', 'currency': 'USD', 'delayedPrice': 167.7, 'delayedPr iceTime': 1699022783213, 'extendedChange': -0.06, 'extendedChangePercent': -0.00037, 'exte ndedPrice': 171.2, 'extendedPriceTime': 1725640179692, 'high': 170.13, 'highSource': 'dmy elic5epn 1tdrae ieu', 'highTime': 1696276731938, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 164.506, 'iexCloseTime': 17257478675 48, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 166.4, 'iexOpenTime': 172 3748439091, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTra deTime': 1690022998203, 'latestPrice': 170.08, 'latestSource': 'Close', 'latestTime': 'Jul y 29, 2022', 'latestUpdate': 1690101520994, 'latestVolume': 2651426, 'low': 166.91, 'lowSo urce': 'dlieue cydm5rplee i nat', 'lowTime': 1693933223955, 'marketCap': 83887785467, 'odd LotDelayedPrice': 164.28, 'oddLotDelayedPriceTime': 1722077749573, 'open': 166.91, 'openTi me': 1662416744722, 'openSource': 'foficila', 'peRatio': 25.48, 'previousClose': 161.97, 'previousVolume': 2249131, 'primaryExchange': 'N ROE HTWCOGEEK YNI. CXCKNAS', 'symbol': 'MMC', 'volume': 2639536, 'week52High': 183.77, 'week52Low': 146.15, 'ytdChange': -0.0339 3195980004811, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
304	MHK	129.21		8556173214					N/A
305	MKC	90.18		23692244565					N/A
306	MKTX	271.07		10301370866					N/A
307	MLM	359.78		22266023485					N/A
308	MMC	170.08		83887785467					N/A

[309 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MMM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
305	MKC	90.18		23692244565					N/A
306	MKTX	271.07		10301370866					N/A
307	MLM	359.78		22266023485					N/A
308	MMC	170.08		83887785467					N/A
309	MMM	145.40		81826942811					N/A

[310 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MNST/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	TTORCT	11100	11011100	Capicalizacion	TVAILLOCE	0 -	DIIGICD	00	Duy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
306	MKTX	271.07		10301370866					N/A
307	MLM	359.78		22266023485					N/A
308	MMC	170.08		83887785467					N/A
309	MMM	145.40		81826942811					N/A
310	MNST	101.25		54574412009					N/A

[311 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 9009851, 'calculationPrice': 'close', 'change': -0.14, 'changePercent': -0.00332, 'close': 44.94, 'closeSource': 'ciffioal', 'closeTime': 1663538668919, 'company

Name': 'Altria Group Inc.', 'currency': 'USD', 'delayedPrice': 44.13, 'delayedPriceTime': 1724600356762, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 45.35, 'extendedPriceTime': 1697541082884, 'high': 46.19, 'highSource': '5dcimuei e edalneryp t l', 'highTime': 1704804275550, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 45.816, 'iexCloseTime': 1687564950888, 'iexLastUpdate d': None, 'iexMarketPercent': None, 'iexOpen': 45.68, 'iexOpenTime': 1738855804573, 'iexRe altimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 170176686 9182, 'latestPrice': 45.93, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 1661766655146, 'latestVolume': 12217509, 'low': 44.94, 'lowSource': 'miiptecyu a e le5nrd ed1', 'lowTime': 1661784944314, 'marketCap': 81273189406, 'oddLotDelayedPrice': 43.919, 'oddLotDelayedPriceTime': 1704755375990, 'open': 45.27, 'openTime': 1660337095148, 'openSource': 'acfioilf', 'peRatio': 46, 'previousClose': 44, 'previousVolume': 7103197, 'primaryExchange': 'YNCNO CETA . HENC GWIEXROKSK', 'symbol': 'MO', 'volume': 12349498, 'w eek52High': 57.56, 'week52Low': 41.21, 'ytdChange': -0.0451286899655068, 'isUSMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
307	MLM	359.78		22266023485					N/A
308	MMC	170.08		83887785467					N/A
309	MMM	145.40		81826942811					N/A
310	MNST	101.25		54574412009					N/A
311	MO	45.93		81273189406					N/A

[312 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MOS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
308	MMC	170.08		83887785467					N/A
309	MMM	145.40		81826942811					N/A
310	MNST	101.25		54574412009					N/A
311	MO	45.93		81273189406					N/A
312	MOS	54.95		19914259799					N/A

[313 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MPC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
309	MMM	145.40		81826942811					N/A
310	MNST	101.25		54574412009					N/A
311	MO	45.93		81273189406					N/A
312	MOS	54.95		19914259799					N/A
313	MPC	92.16		50788593197					N/A

[314 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MRK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
310	MNST	101.25		54574412009					N/A
311	MO	45.93		81273189406					N/A
312	MOS	54.95		19914259799					N/A
313	MPC	92.16		50788593197					N/A
314	MRK	90.97		228725378437					N/A

[315 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MRO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market.	Capitalization	Number	Of	Shares	t.o	Buv
0	A	134.80	11011100	40650801779	1,011.001	0 _	2114100		N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
311	MO	45.93		81273189406					N/A
312	MOS	54.95		19914259799					N/A
313	MPC	92.16		50788593197					N/A
314	MRK	90.97		228725378437					N/A
315	MRO	25.70		17573132585					N/A

[316 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
312	MOS	54.95		19914259799					N/A
313	MPC	92.16		50788593197					N/A
314	MRK	90.97		228725378437					N/A
315	MRO	25.70		17573132585					N/A
316	MS	87.10		147619978725					N/A

[317 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MSCI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Name': 'MSCI Inc', 'currency': 'USD', 'delayedPrice': 501.56, 'delayedPriceTime': 17009101 83708, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 502.28, 'extended PriceTime': 1718770730777, 'high': 504.33, 'highSource': 'lneduirldcip teea e y5m', 'highT ime': 1725078029347, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBid Size': None, 'iexClose': 492.47, 'iexCloseTime': 1683972722430, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 500.204, 'iexOpenTime': 1694063629797, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1726097559185, 'latestPrice': 492.41, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 1672427525170, 'latestVolume': 675090, 'low': 474.69, 'lowSource': 'pr u dy cae5iidenlelmet', 'lowTime': 1687094564545, 'marketCap': 40188461511, 'oddLotDelayedPrice': 490.38, 'oddLotDelayedPriceTime': 1711266152760, 'open': 483.67, 'openTime': 1715036451259, 'openSource': 'foiiaclf', 'peRatio': 50.55, 'previousClose': 496.01, 'previousVolume': 509988, 'primaryExchange': 'ANS XTYCOKNGWIEEC EH.NROK C', 'symbol': 'MSCI', 'volume': 659799, 'week52 High': 708.74, 'week52Low': 388.2, 'ytdChange': -0.20271851822701406, 'isUSMarketOpen': False}

	,								
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
313	MPC	92.16		50788593197					N/A
314	l MRK	90.97		228725378437					N/A
315	MRO MRO	25.70		17573132585					N/A
316	5 MS	87.10		147619978725					N/A
317	MSCI	492.41		40188461511					N/A

[318 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MSFT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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-		•							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
314	MRK	90.97		228725378437					N/A
315	MRO	25.70		17573132585					N/A
316	MS	87.10		147619978725					N/A
317	MSCI	492.41		40188461511					N/A
318	MSFT	288.59		2095943195149					N/A

[319 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MSI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Name': 'Motorola Solutions Inc', 'currency': 'USD', 'delayedPrice': 242.66, 'delayedPriceT ime': 1660081292174, 'extendedChange': 0.42, 'extendedChangePercent': 0.00174, 'extendedPriceT: 246, 'extendedPriceTime': 1688106201093, 'high': 245.32, 'highSource': 'rey eeadnlpc ldtei5 uim', 'highTime': 1725450092954, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexCloseTime': 1718497554226, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 237.49, 'iexOpenTime': 166257784476 0, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1731994802664, 'latestPrice': 247.05, 'latestSource': 'Close', 'latestTime': 'July 29, 20 22', 'latestUpdate': 1741074394106, 'latestVolume': 846861, 'low': 238.2, 'lowSource': 'Ia lEee irmptciX re ', 'lowTime': 1715796796741, 'marketCap': 39954959902, 'oddLotDelayedPrice': 247.46, 'oddLotDelayedPriceTime': 1736994981664, 'open': 245.32, 'openTime': 169317900 6852, 'openSource': 'iclaifof', 'peRatio': 33.93, 'previousClose': 238.71, 'previousVolume': 972828, 'primaryExchange': 'YHNSENKWNK ETA.GRECOICO XC', 'symbol': 'MSI', 'volume': 836054, 'week52High': 280.75, 'week52Low': 200.58, 'ytdChange': -0.11000366437544815, 'is USMarketOpen': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
315	MRO	25.70		17573132585					N/A
316	MS	87.10		147619978725					N/A
317	MSCI	492.41		40188461511					N/A
318	MSFT	288.59		2095943195149					N/A
319	MSI	247.05		39954959902					N/A

[320 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MTB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 1122883, 'calculationPrice': 'close', 'change': 3.57, 'changePercent': 0.02093, 'close': 184.31, 'closeSource': 'fficolai', 'closeTime': 1707219381596, 'company Name': 'M & T Bank Corp', 'currency': 'USD', 'delayedPrice': 182.19, 'delayedPriceTime': 1 663126160082, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 179.63, 'e xtendedPriceTime': 1717110157297, 'high': 184.831, 'highSource': 'pcui5nmeldri da eteyle ', 'highTime': 1664160213351, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': Non e, 'iexBidSize': None, 'iexClose': 181.34, 'iexCloseTime': 1715075052356, 'iexLastUpdate d': None, 'iexMarketPercent': None, 'iexOpen': 176.78, 'iexOpenTime': 1693822848587, 'iexR ealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 16894209 11509, 'latestPrice': 179.17, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'lat estUpdate': 1711252930428, 'latestVolume': 1793680, 'low': 177, 'lowSource': 'ipyer ud i e a51dcmetenl', 'lowTime': 1695979549819, 'marketCap': 32822335800, 'oddLotDelayedPrice': 17 8.29, 'oddLotDelayedPriceTime': 1676454195250, 'open': 177, 'openTime': 1709145151506, 'op enSource': 'ioacfilf', 'peRatio': 13.88, 'previousClose': 180.3, 'previousVolume': 794967, 'primaryExchange': 'CNGT CKWOO YE SIHX. KNACENER', 'symbol': 'MTB', 'volume': 1757734, 'w eek52High': 187.31, 'week52Low': 129.08, 'ytdChange': 0.1879152108046371, 'isUSMarketOpe n': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
316	MS	87.10		147619978725					N/A
317	MSCI	492.41		40188461511					N/A
318	MSFT	288.59		2095943195149					N/A
319	MSI	247.05		39954959902					N/A
320	MTB	179.17		32822335800					N/A

[321 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MTD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
317	MSCI	492.41		40188461511					N/A
318	MSFT	288.59		2095943195149					N/A
319	MSI	247.05		39954959902					N/A
320	MTB	179.17		32822335800					N/A
321	MTD	1357.77		31517137150					N/A

[322 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MU/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4 48

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
318	MSFT	288.59		2095943195149					N/A
319	MSI	247.05		39954959902					N/A
320	MTB	179.17		32822335800					N/A
321	MTD	1357.77		31517137150					N/A
322	MU	61.87		68770573180					N/A

[323 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MXIM/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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			I	
0	A	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
319	MSI	247.05	39954959902	N/A
320	MTB	179.17	32822335800	N/A
321	MTD	1357.77	31517137150	N/A
322	MU	61.87	68770573180	N/A
323	MXIM	106.51	29031705656	N/A

[324 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/MYL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	_			_					
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.800		40650801779					N/A
1	AAL	13.860		9003151972					N/A
2	AAP	199.950		11784743480					N/A
3	AAPL	170.630		2682163395015					N/A
4	ABBV	143.550		257378286828					N/A
320	MTB	179.170		32822335800					N/A
321	MTD	1357.770		31517137150					N/A
322	MU	61.870		68770573180					N/A
323	MXIM	106.510		29031705656					N/A
324	MYL	16.462		8764361116					N/A

[325 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NBL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.860		9003151972					N/A
2	AAP	199.950		11784743480					N/A
3	AAPL	170.630		2682163395015					N/A
4	ABBV	143.550		257378286828					N/A
321	MTD	1357.770		31517137150					N/A
322	MU	61.870		68770573180					N/A
323	MXIM	106.510		29031705656					N/A
324	MYL	16.462		8764361116					N/A
325	NBL	8.570		4216791959					N/A

[326 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NCLH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		I	,							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy	
0	А	134.800		40650801779					N/A	
1	AAL	13.860		9003151972					N/A	
2	AAP	199.950		11784743480					N/A	
3	AAPL	170.630		2682163395015					N/A	
4	ABBV	143.550		257378286828					N/A	
322	2 MU	61.870		68770573180					N/A	
323	B MXIM	106.510		29031705656					N/A	
324	MYL MYL	16.462		8764361116					N/A	
325	5 NBL	8.570		4216791959					N/A	
326	NCLH	12.450		2731337621					N/A	

[327 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NDAQ/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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			_	•					_
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.800		40650801779					N/A
1	AAL	13.860		9003151972					N/A
2	AAP	199.950		11784743480					N/A
3	AAPL	170.630		2682163395015					N/A
4	ABBV	143.550		257378286828					N/A
323	MXIM	106.510		29031705656					N/A
324	MYL	16.462		8764361116					N/A
325	NBL	8.570		4216791959					N/A
326	NCLH	12.450		2731337621					N/A
327	NDAQ	185.300		17740248678					N/A

[328 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NEE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.800		40650801779					N/A
1	AAL	13.860		9003151972					N/A
2	AAP	199.950		11784743480					N/A
3	AAPL	170.630		2682163395015					N/A
4	ABBV	143.550		257378286828					N/A
324	MYL	16.462		8764361116					N/A
325	NBL	8.570		4216791959					N/A
326	NCLH	12.450		2731337621					N/A
327	NDAQ	185.300		17740248678					N/A
328	NEE	85.920		169775777411					N/A

[329 rows x 4 columns]

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
325	NBL	8.57		4216791959					N/A
326	NCLH	12.45		2731337621					N/A
327	NDAQ	185.30		17740248678					N/A
328	NEE	85.92		169775777411					N/A
329	NEM	45.84		37245098035					N/A

[330 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NFLX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
326	NCLH	12.45		2731337621					N/A
327	NDAQ	185.30		17740248678					N/A
328	NEE	85.92		169775777411					N/A
329	NEM	45.84		37245098035					N/A
330	NFLX	227.30		103594550658					N/A

[331 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
327	NDAQ	185.30		17740248678					N/A
328	NEE	85.92		169775777411					N/A
329	NEM	45.84		37245098035					N/A
330	NFLX	227.30		103594550658					N/A
331	NI	30.40		12731611710					N/A

[332 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NKE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
328	NEE	85.92		169775777411					N/A
329	NEM	45.84		37245098035					N/A
330	NFLX	227.30		103594550658					N/A
331	NI	30.40		12731611710					N/A
332	NKE	115.97		181758899882					N/A

[333 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NLOK/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
329	NEM	45.84		37245098035					N/A
330	NFLX	227.30		103594550658					N/A
331	NI	30.40		12731611710					N/A
332	NKE	115.97		181758899882					N/A
333	NLOK	25.24		14289852337					N/A

[334 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NLSN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
330	NFLX	227.30		103594550658					N/A
331	NI	30.40		12731611710					N/A
332	NKE	115.97		181758899882					N/A
333	NLOK	25.24		14289852337					N/A
334	NLSN	24.15		8932157514					N/A

[335 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NOC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
331	NI	30.40		12731611710					N/A
332	NKE	115.97		181758899882					N/A
333	NLOK	25.24		14289852337					N/A
334	NLSN	24.15		8932157514					N/A
335	NOC	482.60		76415980899					N/A

[336 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NOV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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,			,	_			,		
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
332	NKE	115.97		181758899882					N/A
333	NLOK	25.24		14289852337					N/A
334	NLSN	24.15		8932157514					N/A
335	NOC	482.60		76415980899					N/A
336	NOV	19.17		7355033828					N/A

[337 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NOW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
A	134.80		40650801779					N/A
AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
NLOK	25.24		14289852337					N/A
NLSN	24.15		8932157514					N/A
NOC	482.60		76415980899					N/A
NOV	19.17		7355033828					N/A
NOW	465.40		93249298496					N/A
	A AAL AAP AAPL ABBV NLOK NLSN NOC NOV	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 NLOK 25.24 NLSN 24.15 NOC 482.60 NOV 19.17	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 NLOK 25.24 NLSN 24.15 NOC 482.60 NOV 19.17	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NLOK 25.24 14289852337 NLSN 24.15 8932157514 NOC 482.60 76415980899 NOV 19.17 7355033828	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NLOK 25.24 14289852337 NLSN 24.15 8932157514 NOC 482.60 76415980899 NOV 19.17 7355033828	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NLOK 25.24 14289852337 NLSN 24.15 8932157514 NOC 482.60 76415980899 NOV 19.17 7355033828	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NLOK 25.24 14289852337 NLSN 24.15 8932157514 NOC 482.60 76415980899 NOV 19.17 7355033828	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NLOK 25.24 14289852337 NLSN 24.15 8932157514 NOC 482.60 76415980899 NOV 19.17 7355033828

[338 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NRG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	,								
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
334	NLSN	24.15		8932157514					N/A
335	NOC	482.60		76415980899					N/A
336	NOV	19.17		7355033828					N/A
337	NOW	465.40		93249298496					N/A
338	NRG	39.61		9054112323					N/A

[339 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/NSC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
335	NOC	482.60		76415980899					N/A
336	NOV	19.17		7355033828					N/A
337	NOW	465.40		93249298496					N/A
338	NRG	39.61		9054112323					N/A
339	NSC	251.19		66295767306					N/A

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2		AAP	199.95		11784743480					N/A
3		AAPL	170.63		2682163395015					N/A
4		ABBV	143.55		257378286828					N/A
3	36	NOV	19.17		7355033828					N/A
3	37	NOW	465.40		93249298496					N/A
3	38	NRG	39.61		9054112323					N/A
3	39	NSC	251.19		66295767306					N/A
3	40	NTAP	73.13		16359938427					N/A

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Ticker Price Market Capitalization Number Of Shares to Buy
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	TICKET	FIICE	Market	Capitalization	Maniper	OI	Shares	LO	ьиу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
337	NOW	465.40		93249298496					N/A
338	NRG	39.61		9054112323					N/A
339	NSC	251.19		66295767306					N/A
340	NTAP	73.13		16359938427					N/A
341	NTRS	103.82		21552659079					N/A

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https://sandbox.iexapis.com/stable/stock/NUE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
338	NRG	39.61		9054112323					N/A
339	NSC	251.19		66295767306					N/A
340	NTAP	73.13		16359938427					N/A
341	NTRS	103.82		21552659079					N/A
342	NUE	135.90		37711997276					N/A

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                                                          N/A
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2
     AAP 199.95
                           11784743480
                                                          N/A
3
    AAPL 170.63
                                                          N/A
                        2682163395015
     ABBV 143.55
4
                         257378286828
                                                          N/A
     . . .
                                                          . . .
339
     NSC 251.19
                          66295767306
                                                          N/A
340
    NTAP
           73.13
                                                          N/A
                          16359938427
    NTRS 103.82
341
                           21552659079
                                                          N/A
342
     NUE 135.90
                           37711997276
                                                          N/A
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NVDA 181.99

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy	
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1	AAL	13.86		9003151972					N/A	
2	AAP	199.95		11784743480					N/A	
3	AAPL	170.63		2682163395015					N/A	
4	ABBV	143.55		257378286828					N/A	
340	NTAP	73.13		16359938427					N/A	
341	NTRS	103.82		21552659079					N/A	
342	NUE	135.90		37711997276					N/A	
343	NVDA	181.99		463929254048					N/A	
344	NVR	4504.70		15149962318					N/A	

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      AAP 199.95
2
                            11784743480
                                                           N/A
3
    AAPL 170.63
                         2682163395015
                                                           N/A
4
    ABBV 143.55
                          257378286828
                                                           N/A
            . . .
                                                           . . .
. .
                                    . . .
    NTRS 103.82
                           21552659079
341
                                                           N/A
342 NUE 135.90
                           37711997276
                                                          N/A
343
    NVDA 181.99
                          463929254048
                                                           N/A
    NVR 4504.70
344
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                                                           N/A
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    NWL 20.40
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      AAL 13.86
                            9003151972
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2
                                                           N/A
3
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4
    ABBV 143.55
                          257378286828
                                                           N/A
                                                            . . .
                           37711997276
    NUE
           135.90
342
                                                           N/A
    NVDA 181.99
343
                          463929254048
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Ticker

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                                                     N/A
     AAL
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                         9003151972
2
     AAP 199.95
                         11784743480
                                                     N/A
3
    AAPL 170.63
                       2682163395015
                                                     N/A
    ABBV 143.55
                        257378286828
4
                                                     N/A
            . . .
                                                     . . .
   NVDA 181.99
                       463929254048
343
                                                     N/A
    NVR 4504.70
344
                         15149962318
                                                     N/A
345
     NWL 20.40
                         8739445696
                                                     N/A
346
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                         10130968021
                                                     N/A
347 NWSA
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                                                     N/A
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[348 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/O/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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_		•							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
344	NVR	4504.70		15149962318					N/A
345	NWL	20.40		8739445696					N/A
346	NWS	17.52		10130968021					N/A
347	NWSA	17.27		10467745343					N/A
348	0	76.82		45398863001					N/A

[349 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ODFL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

0	А	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
345	NWL	20.40	8739445696	N/A
346	NWS	17.52	10130968021	N/A
347	NWSA	17.27	10467745343	N/A
348	0	76.82	45398863001	N/A
349	ODFL	311.44	35835926660	N/A

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https://sandbox.iexapis.com/stable/stock/OKE/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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Ticker	Price	Market	Canitalization	Number	Ωf	Shares	+ 0	B1157
		Market	-	Number	OI	bilaics		_
A	134.80		40650801779					N/A
AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
NWS	17.52		10130968021					N/A
NWSA	17.27		10467745343					N/A
0	76.82		45398863001					N/A
ODFL	311.44		35835926660					N/A
OKE	60.39		27625743709					N/A
	AAPL ABBV NWS NWSA O ODFL	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 NWS 17.52 NWSA 17.27 O 76.82 ODFL 311.44	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 NWS 17.52 NWSA 17.27 O 76.82 ODFL 311.44	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NWS 17.52 10130968021 NWSA 17.27 10467745343 O 76.82 45398863001 ODFL 311.44 35835926660	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NWS 17.52 10130968021 NWSA 17.27 10467745343 O 76.82 45398863001 ODFL 311.44 35835926660	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NWS 17.52 10130968021 NWSA 17.27 10467745343 O 76.82 45398863001 ODFL 311.44 35835926660	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NWS 17.52 10130968021 NWSA 17.27 10467745343 O 76.82 45398863001 ODFL 311.44 35835926660	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 NWS 17.52 10130968021 NWSA 17.27 10467745343 O 76.82 45398863001 ODFL 311.44 35835926660

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https://sandbox.iexapis.com/stable/stock/OMC/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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Ticker

Price Market Capitalization Number Of Shares to Buy

0	А	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
347	NWSA	17.27	10467745343	N/A
348	0	76.82	45398863001	N/A
349	ODFL	311.44	35835926660	N/A
350	OKE	60.39	27625743709	N/A
351	OMC	71.05	14605717631	N/A

[352 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ORCL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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0 1 2 3	Ticker A AAL AAP AAPL	Price 134.80 13.86 199.95 170.63	Market	Capitalization 40650801779 9003151972 11784743480 2682163395015	Number	Of	Shares	to	Buy N/A N/A N/A
4	ABBV	143.55		257378286828					N/A
348 349 350 351 352	ODFL OKE OMC ORCL	76.82 311.44 60.39 71.05 81.26		45398863001 35835926660 27625743709 14605717631 217700985078					N/A N/A N/A N/A N/A

[353 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ORLY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

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                          40650801779
                                                       N/A
1
     AAL 13.86
                          9003151972
                                                       N/A
2
     AAP 199.95
                         11784743480
                                                       N/A
3
    AAPL 170.63
                       2682163395015
                                                       N/A
4
    ABBV 143.55
                        257378286828
                                                      N/A
     . . .
           . . .
                                                       . . .
   ODFL 311.44
                        35835926660
349
                                                      N/A
350
     OKE
          60.39
                         27625743709
                                                      N/A
351
     OMC
          71.05
                                                      N/A
                         14605717631
352
   ORCL 81.26
                        217700985078
                                                      N/A
353 ORLY 728.27
                         48303932008
                                                      N/A
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[354 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/OTIS/quote?token=Tpk 059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
350	OKE	60.39		27625743709					N/A
351	OMC	71.05		14605717631					N/A
352	ORCL	81.26		217700985078					N/A
353	ORLY	728.27		48303932008					N/A
354	OTIS	80.80		32943676501					N/A

[355 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/OXY/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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Ticker Price Market Capitalization Number Of Shares to Buy

```
A 134.80
                          40650801779
                                                       N/A
1
      AAL 13.86
                          9003151972
                                                       N/A
2
     AAP 199.95
                         11784743480
                                                       N/A
3
    AAPL 170.63
                       2682163395015
                                                       N/A
4
    ABBV 143.55
                        257378286828
                                                       N/A
     . . .
           . . .
                                                       . . .
351
     OMC
          71.05
                         14605717631
                                                       N/A
352
    ORCL 81.26
                        217700985078
                                                       N/A
353
    ORLY 728.27
                                                       N/A
                         48303932008
354
   OTIS 80.80
                         32943676501
                                                       N/A
355
    OXY 66.27
                          61835641844
                                                       N/A
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[356 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PAYC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
352	ORCL	81.26		217700985078					N/A
353	ORLY	728.27		48303932008					N/A
354	OTIS	80.80		32943676501					N/A
355	OXY	66.27		61835641844					N/A
356	PAYC	336.03		20080305619					N/A

[357 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PAYX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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2
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                           11784743480
                                                          N/A
3
     AAPL 170.63
                         2682163395015
                                                          N/A
     ABBV 143.55
4
                         257378286828
                                                          N/A
     . . .
. .
            . . .
                                  . . .
                                                          . . .
353
    ORLY 728.27
                          48303932008
                                                          N/A
    OTIS 80.80
354
                           32943676501
                                                          N/A
355
     OXY 66.27
                           61835641844
                                                          N/A
356
     PAYC 336.03
                                                          N/A
                           20080305619
357
    PAYX 129.44
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                                                          N/A
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https://sandbox.iexapis.com/stable/stock/PBCT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
354	OTIS	80.80		32943676501					N/A
355	OXY	66.27		61835641844					N/A
356	PAYC	336.03		20080305619					N/A
357	PAYX	129.44		47333481437					N/A
358	PBCT	20.28		8516914170					N/A

[359 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PCAR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

0 A 134.80 40650801779 N/A

1 AAL 13.86 9003151972 N/A

2 AAP 199.95 11784743480 N/A

```
3
     AAPL 170.63
                          2682163395015
                                                           N/A
     ABBV 143.55
                                                           N/A
4
                           257378286828
      . . .
              . . .
                                                           . . .
355
      OXY
           66.27
                            61835641844
                                                           N/A
356
     PAYC 336.03
                            20080305619
                                                           N/A
357
    PAYX 129.44
                            47333481437
                                                           N/A
358
    PBCT
           20.28
                                                           N/A
                            8516914170
359
     PCAR 94.71
                            32015351270
                                                           N/A
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https://sandbox.iexapis.com/stable/stock/PEAK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
356	PAYC	336.03		20080305619					N/A
357	PAYX	129.44		47333481437					N/A
358	PBCT	20.28		8516914170					N/A
359	PCAR	94.71		32015351270					N/A
360	PEAK	27.87		15584078207					N/A

[361 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PEG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A

```
3
     AAPL 170.63
                          2682163395015
                                                           N/A
                                                           N/A
4
     ABBV 143.55
                           257378286828
      . . .
                                                           . . .
              . . .
357
     PAYX 129.44
                           47333481437
                                                           N/A
                            8516914170
358
     PBCT
           20.28
                                                           N/A
359
    PCAR 94.71
                            32015351270
                                                           N/A
360
    PEAK 27.87
                           15584078207
                                                           N/A
361
     PEG 68.20
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[362 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PEP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
358	PBCT	20.28		8516914170					N/A
359	PCAR	94.71		32015351270					N/A
360	PEAK	27.87		15584078207					N/A
361	PEG	68.20		34094336644					N/A
362	PEP	178.78		252087135030					N/A

[363 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PFE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A

```
4
     ABBV 143.55
                           257378286828
                                                           N/A
      . . .
                                                           . . .
359
     PCAR 94.71
                            32015351270
                                                           N/A
360
    PEAK 27.87
                            15584078207
                                                           N/A
           68.20
                            34094336644
361
      PEG
                                                           N/A
362
      PEP 178.78
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                                                           N/A
363
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https://sandbox.iexapis.com/stable/stock/PFG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
PEAK	27.87		15584078207					N/A
PEG	68.20		34094336644					N/A
PEP	178.78		252087135030					N/A
PFE	50.66		290165079151					N/A
PFG	70.06		17465155670					N/A
	A AAL AAP AAPL ABBV PEAK PEG PEP	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 PEAK 27.87 PEG 68.20 PEP 178.78 PFE 50.66	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 PEAK 27.87 PEG 68.20 PEP 178.78 PFE 50.66	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PEAK 27.87 15584078207 PEG 68.20 34094336644 PEP 178.78 252087135030 PFE 50.66 290165079151	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PEAK 27.87 15584078207 PEG 68.20 34094336644 PEP 178.78 252087135030 PFE 50.66 290165079151	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PEAK 27.87 15584078207 PEG 68.20 34094336644 PEP 178.78 252087135030 PFE 50.66 290165079151	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PEAK 27.87 15584078207 PEG 68.20 34094336644 PEP 178.78 252087135030 PFE 50.66 290165079151	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PEAK 27.87 15584078207 PEG 68.20 34094336644 PEP 178.78 252087135030 PFE 50.66 290165079151

[365 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	ΟÏ	Snares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A

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ABBV 143.55
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                                                         N/A
     PEP 178.78
                                                         N/A
362
                          252087135030
                          290165079151
363
      PFE 50.66
                                                         N/A
364
     PFG 70.06
                                                         N/A
                          17465155670
365
     PG 141.15
                          346898117566
                                                         N/A
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[366 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PGR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
362	PEP	178.78		252087135030					N/A
363	PFE	50.66		290165079151					N/A
364	PFG	70.06		17465155670					N/A
365	PG	141.15		346898117566					N/A
366	PGR	116.10		68759387714					N/A

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https://sandbox.iexapis.com/stable/stock/PH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A

```
ABBV 143.55
                          257378286828
                                                        N/A
                                                        . . .
363
     PFE 50.66
                        290165079151
                                                        N/A
     PFG 70.06
                         17465155670
364
                                                        N/A
365
      PG 141.15
                         346898117566
                                                        N/A
     PGR 116.10
366
                         68759387714
                                                        N/A
367
     PH 302.08
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                                                        N/A
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
364	PFG	70.06		17465155670					N/A
365	PG	141.15		346898117566					N/A
366	PGR	116.10		68759387714					N/A
367	PH	302.08		38481839248					N/A
368	PHM	44.48		10439970073					N/A

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https://sandbox.iexapis.com/stable/stock/PKG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 40650801779 N/A N/A 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A

```
ABBV 143.55
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                                                         N/A
                                                         . . .
365
      PG 141.15
                         346898117566
                                                        N/A
     PGR 116.10
                         68759387714
366
                                                        N/A
                          38481839248
367
      PH 302.08
                                                        N/A
368
     PHM 44.48
                          10439970073
                                                        N/A
369
    PKG 141.47
                                                         N/A
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[370 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PKI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
PGR	116.10		68759387714					N/A
PH	302.08		38481839248					N/A
PHM	44.48		10439970073					N/A
PKG	141.47		13368797652					N/A
PKI	157.55		19618561789					N/A
	A AAL AAP AAPL ABBV PGR PH PHM PKG	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 PGR 116.10 PH 302.08 PHM 44.48 PKG 141.47	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 PGR 116.10 PH 302.08 PHM 44.48 PKG 141.47	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PGR 116.10 68759387714 PH 302.08 38481839248 PHM 44.48 10439970073 PKG 141.47 13368797652	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PGR 116.10 68759387714 PH 302.08 38481839248 PHM 44.48 10439970073 PKG 141.47 13368797652	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PGR 116.10 68759387714 PH 302.08 38481839248 PHM 44.48 10439970073 PKG 141.47 13368797652	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PGR 116.10 68759387714 PH 302.08 38481839248 PHM 44.48 10439970073 PKG 141.47 13368797652	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PGR 116.10 68759387714 PH 302.08 38481839248 PHM 44.48 10439970073 PKG 141.47 13368797652

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https://sandbox.iexapis.com/stable/stock/PLD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 0 40650801779 N/A N/A 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A

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ABBV 143.55
                          257378286828
                                                         N/A
                                                         . . .
367
      PH 302.08
                          38481839248
                                                         N/A
     PHM 44.48
368
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     PKG 141.47
369
                          13368797652
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370
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371
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[372 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
PHM	44.48		10439970073					N/A
PKG	141.47		13368797652					N/A
PKI	157.55		19618561789					N/A
PLD	138.62		100174632983					N/A
PM	100.04		156582070709					N/A
	A AAL AAP AAPL ABBV PHM PKG PKI PLD	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 PHM 44.48 PKG 141.47 PKI 157.55 PLD 138.62	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 PHM 44.48 PKG 141.47 PKI 157.55 PLD 138.62	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PHM 44.48 10439970073 PKG 141.47 13368797652 PKI 157.55 19618561789 PLD 138.62 100174632983	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PHM 44.48 10439970073 PKG 141.47 13368797652 PKI 157.55 19618561789 PLD 138.62 100174632983	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PHM 44.48 10439970073 PKG 141.47 13368797652 PKI 157.55 19618561789 PLD 138.62 100174632983	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PHM 44.48 10439970073 PKG 141.47 13368797652 PKI 157.55 19618561789 PLD 138.62 100174632983	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 PHM 44.48 10439970073 PKG 141.47 13368797652 PKI 157.55 19618561789 PLD 138.62 100174632983

[373 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PNC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy A 134.80 40650801779 N/A N/A 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A

```
4
     ABBV 143.55
                           257378286828
                                                           N/A
                                                           . . .
369
      PKG 141.47
                           13368797652
                                                           N/A
      PKI 157.55
                           19618561789
370
                                                           N/A
                          100174632983
371
      PLD 138.62
                                                           N/A
      PM 100.04
                          156582070709
372
                                                           N/A
373
      PNC 172.37
                           70771216055
                                                           N/A
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[374 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PNR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
370	PKI	157.55		19618561789					N/A
371	PLD	138.62		100174632983					N/A
372	PM	100.04		156582070709					N/A
373	PNC	172.37		70771216055					N/A
374	PNR	50.06		8092205619					N/A

[375 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PNW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
. .
      . . .
              . . .
                                     . . .
                                                              . . .
371
      PLD 138.62
                            100174632983
                                                              N/A
372
      PM 100.04
                           156582070709
                                                             N/A
      PNC 172.37
                                                              N/A
373
                            70771216055
374
       PNR
           50.06
                             8092205619
                                                              N/A
375
      PNW
           76.86
                              8404847930
                                                              N/A
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[376 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PPG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
372	PM	100.04		156582070709					N/A
373	PNC	172.37		70771216055					N/A
374	PNR	50.06		8092205619					N/A
375	PNW	76.86		8404847930					N/A
376	PPG	132.39		31726131248					N/A

[377 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PPL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
...
. .
      . . .
                                    . . .
                                                            . . .
373
      PNC 172.37
                            70771216055
                                                            N/A
374
      PNR 50.06
                            8092205619
                                                            N/A
375
      PNW
           76.86
                             8404847930
                                                            N/A
                            31726131248
376
      PPG 132.39
                                                            N/A
377
      PPL
           29.49
                            22261445617
                                                            N/A
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[378 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PRGO/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
374	PNR	50.06		8092205619					N/A
375	PNW	76.86		8404847930					N/A
376	PPG	132.39		31726131248					N/A
377	PPL	29.49		22261445617					N/A
378	PRGO	42.48		5726475159					N/A

[379 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PRU/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A

```
76.86
375
      PNW
                             8404847930
                                                            N/A
                                                            N/A
376
      PPG 132.39
                            31726131248
377
      PPL
           29.49
                            22261445617
                                                            N/A
           42.48
                                                            N/A
378
     PRGO
                             5726475159
379
      PRU 100.64
                            37979666276
                                                            N/A
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[380 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PSA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buv
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
376	PPG	132.39		31726131248					N/A
377	PPL	29.49		22261445617					N/A
378	PRGO	42.48		5726475159					N/A
379	PRU	100.64		37979666276					N/A
380	PSA	333.42		59949760630					N/A

[381 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PSX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
377	PPL	29.49		22261445617					N/A

```
PRGO
378
           42.48
                             5726475159
                                                           N/A
379
     PRU 100.64
                            37979666276
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380
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381
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[382 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PVH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
378	PRGO	42.48		5726475159					N/A
379	PRU	100.64		37979666276					N/A
380	PSA	333.42		59949760630					N/A
381	PSX	91.00		44344809182					N/A
382	PVH	62.52		4242583871					N/A

[383 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PWR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
379	PRU	100.64		37979666276					N/A
380	PSA	333.42		59949760630					N/A

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381 PSX 91.00 44344809182 N/A
382 PVH 62.52 4242583871 N/A
383 PWR 139.64 20920939878 N/A
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[384 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PXD/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
()	A	134.80		40650801779					N/A
1	L	AAL	13.86		9003151972					N/A
2	2	AAP	199.95		11784743480					N/A
3	3	AAPL	170.63		2682163395015					N/A
4	1	ABBV	143.55		257378286828					N/A
3	380	PSA	333.42		59949760630					N/A
3	881	PSX	91.00		44344809182					N/A
3	382	PVH	62.52		4242583871					N/A
3	383	PWR	139.64		20920939878					N/A
3	384	PXD	237.82		57410349928					N/A

[385 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/PYPL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
381	PSX	91.00		44344809182					N/A
382	PVH	62.52		4242583871					N/A
383	PWR	139.64		20920939878					N/A

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384 PXD 237.82 57410349928 N/A
385 PYPL 87.98 102177794640 N/A
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[386 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/QCOM/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
382	PVH	62.52		4242583871					N/A
383	PWR	139.64		20920939878					N/A
384	PXD	237.82		57410349928					N/A
385	PYPL	87.98		102177794640					N/A
386	QCOM	147.39		167652312270					N/A

[387 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/QRVO/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	,,			Juaniango			0 - 0 5 0 5 0 .		~, _
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
383	PWR	139.64		20920939878					N/A
384	PXD	237.82		57410349928					N/A
385	PYPL	87.98		102177794640					N/A
386	QCOM	147.39		167652312270					N/A

[388 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/RCL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
384	PXD	237.82		57410349928					N/A
385	PYPL	87.98		102177794640					N/A
386	QCOM	147.39		167652312270					N/A
387	QRVO	108.76		11228564898					N/A
388	RCL	40.02		9912392965					N/A
4 384 385 386 387	ABBV PXD PYPL QCOM QRVO	143.55 237.82 87.98 147.39 108.76		257378286828 57410349928 102177794640 167652312270 11228564898					N/A N/A N/A N/A

[389 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/RE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
385	PYPL	87.98		102177794640					N/A
386	QCOM	147.39		167652312270					N/A
387	QRVO	108.76		11228564898					N/A
388	RCL	40.02		9912392965					N/A

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389 RE 271.92 10738258202 N/A
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[390 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/REG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
386	QCOM	147.39		167652312270					N/A
387	QRVO	108.76		11228564898					N/A
388	RCL	40.02		9912392965					N/A
389	RE	271.92		10738258202					N/A
390	REG	65.18		11575008622					N/A

[391 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/REGN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
387	QRVO	108.76		11228564898					N/A
388	RCL	40.02		9912392965					N/A
389	RE	271.92		10738258202					N/A
390	REG	65.18		11575008622					N/A
391	REGN	595.34		64059763222					N/A
	1 2 3 4 387 388 389 390	0 A 1 AAL 2 AAP 3 AAPL 4 ABBV 387 QRVO 388 RCL 389 RE 390 REG	0 A 134.80 1 AAL 13.86 2 AAP 199.95 3 AAPL 170.63 4 ABBV 143.55 387 QRVO 108.76 388 RCL 40.02 389 RE 271.92 390 REG 65.18	0 A 134.80 1 AAL 13.86 2 AAP 199.95 3 AAPL 170.63 4 ABBV 143.55 387 QRVO 108.76 388 RCL 40.02 389 RE 271.92 390 REG 65.18	0 A 134.80 40650801779 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 3 AAPL 170.63 2682163395015 4 ABBV 143.55 257378286828 387 QRVO 108.76 11228564898 388 RCL 40.02 9912392965 389 RE 271.92 10738258202 390 REG 65.18 11575008622	0 A 134.80 40650801779 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 3 AAPL 170.63 2682163395015 4 ABBV 143.55 257378286828 387 QRVO 108.76 11228564898 388 RCL 40.02 9912392965 389 RE 271.92 10738258202 390 REG 65.18 11575008622	0 A 134.80 40650801779 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 3 AAPL 170.63 2682163395015 4 ABBV 143.55 257378286828 387 QRVO 108.76 11228564898 388 RCL 40.02 9912392965 389 RE 271.92 10738258202 390 REG 65.18 11575008622	0 A 134.80 40650801779 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 3 AAPL 170.63 2682163395015 4 ABBV 143.55 257378286828 387 QRVO 108.76 11228564898 388 RCL 40.02 9912392965 389 RE 271.92 10738258202 390 REG 65.18 11575008622	0 A 134.80 40650801779 1 AAL 13.86 9003151972 2 AAP 199.95 11784743480 3 AAPL 170.63 2682163395015 4 ABBV 143.55 257378286828 387 QRVO 108.76 11228564898 388 RCL 40.02 9912392965 389 RE 271.92 10738258202 390 REG 65.18 11575008622

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
388	RCL	40.02		9912392965					N/A
389	RE	271.92		10738258202					N/A
390	REG	65.18		11575008622					N/A
391	REGN	595.34		64059763222					N/A
392	RF	21.87		20054629780					N/A

[393 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/RHI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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_	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
389	RE	271.92		10738258202					N/A
390	REG	65.18		11575008622					N/A
391	REGN	595.34		64059763222					N/A
392	RF	21.87		20054629780					N/A
393	RHI	82.76		8893688091					N/A

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[394 rows x 4 columns]
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https://sandbox.iexapis.com/stable/stock/RJF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
390) REG	65.18		11575008622					N/A
391	L REGN	595.34		64059763222					N/A
392	2 RF	21.87		20054629780					N/A
393	B RHI	82.76		8893688091					N/A
394	1 RJF	101.21		20576387561					N/A

[395 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/RL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
391	REGN	595.34		64059763222					N/A
392	RF	21.87		20054629780					N/A
393	RHI	82.76		8893688091					N/A
394	RJF	101.21		20576387561					N/A
395	RL	99.01		7234277144					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
392	RF	21.87		20054629780					N/A
393	RHI	82.76		8893688091					N/A
394	RJF	101.21		20576387561					N/A
395	RL	99.01		7234277144					N/A
396	RMD	248.92		36796998192					N/A

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https://sandbox.iexapis.com/stable/stock/ROK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
393	RHI	82.76		8893688091					N/A
394	RJF	101.21		20576387561					N/A
395	RL	99.01		7234277144					N/A
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397	ROK	258.42		30626673211					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
394	RJF	101.21		20576387561					N/A
395	RL	99.01		7234277144					N/A
396	RMD	248.92		36796998192					N/A
397	ROK	258.42		30626673211					N/A
398	ROL	40.03		19654579773					N/A

[399 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ROP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
395	RL	99.01		7234277144					N/A
396	RMD	248.92		36796998192					N/A
397	ROK	258.42		30626673211					N/A
398	ROL	40.03		19654579773					N/A
399	ROP	452.48		46481271820					N/A

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1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
			• • •	•••
396	RMD	248.92	36796998192	N/A
397	ROK	258.42	30626673211	N/A

19654579773

46481271820

28881723565

[401 rows x 4 columns]

ROL 40.03

ROP 452.48

ROST 83.06

398

399

400

https://sandbox.iexapis.com/stable/stock/RSG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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N/A

N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
397	ROK	258.42		30626673211					N/A
398	ROL	40.03		19654579773					N/A
399	ROP	452.48		46481271820					N/A
400	ROST	83.06		28881723565					N/A
401	RSG	141.72		43822076557					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
398	ROL	40.03		19654579773					N/A
399	ROP	452.48		46481271820					N/A
400	ROST	83.06		28881723565					N/A
401	RSG	141.72		43822076557					N/A
402	RTX	93.42		143888811189					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
399	ROP	452.48		46481271820					N/A
400	ROST	83.06		28881723565					N/A
401	RSG	141.72		43822076557					N/A
402	RTX	93.42		143888811189					N/A
403	SBAC	345.15		36222172143					N/A

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
400	ROST	83.06		28881723565					N/A
401	RSG	141.72		43822076557					N/A
402	RTX	93.42		143888811189					N/A
403	SBAC	345.15		36222172143					N/A
404	SBUX	86.86		98650705187					N/A

[405 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SCHW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
401	RSG	141.72		43822076557					N/A
402	RTX	93.42		143888811189					N/A
403	SBAC	345.15		36222172143					N/A
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405	SCHW	72.38		131654754552					N/A

[406 rows x 4 columns]

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
402	RTX	93.42		143888811189					N/A
403	SBAC	345.15		36222172143					N/A
404	SBUX	86.86		98650705187					N/A
405	SCHW	72.38		131654754552					N/A
406	SEE	61.95		9280284868					N/A

[407 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SHW/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
403	SBAC	345.15		36222172143					N/A
404	SBUX	86.86		98650705187					N/A
405	SCHW	72.38		131654754552					N/A
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[408 rows x 4 columns]

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
404	SBUX	86.86		98650705187					N/A
405	SCHW	72.38		131654754552					N/A
406	SEE	61.95		9280284868					N/A
407	SHW	242.33		64578796613					N/A
408	SIVB	404.01		24111351941					N/A

[409 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SJM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
405	SCHW	72.38		131654754552					N/A
406	SEE	61.95		9280284868					N/A
407	SHW	242.33		64578796613					N/A
408	SIVB	404.01		24111351941					N/A
409	SJM	133.86		14990374268					N/A

[410 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SLB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
406	SEE	61.95		9280284868					N/A
407	SHW	242.33		64578796613					N/A
408	SIVB	404.01		24111351941					N/A
409	SJM	133.86		14990374268					N/A
410	SLB	38.02		54754826291					N/A

[411 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SLG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
407	SHW	242.33		64578796613					N/A
408	SIVB	404.01		24111351941					N/A
409	SJM	133.86		14990374268					N/A
410	SLB	38.02		54754826291					N/A
411	SLG	51.91		3317660653					N/A

[412 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SNA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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- ,									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
408	SIVB	404.01		24111351941					N/A
409	SJM	133.86		14990374268					N/A
410	SLB	38.02		54754826291					N/A
411	SLG	51.91		3317660653					N/A
412	SNA	230.51		12045376130					N/A

[413 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SNPS/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
409	SJM	133.86		14990374268					N/A
410	SLB	38.02		54754826291					N/A
411	SLG	51.91		3317660653					N/A
412	SNA	230.51		12045376130					N/A
413	SNPS	384.30		57253522327					N/A

[414 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
410	SLB	38.02		54754826291					N/A
411	SLG	51.91		3317660653					N/A
412	SNA	230.51		12045376130					N/A
413	SNPS	384.30		57253522327					N/A
414	SO	77.02		84396283316					N/A
410 411 412 413	SLG SNA SNPS	38.02 51.91 230.51 384.30		54754826291 3317660653 12045376130 57253522327					N/A N/A N/A

[415 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SPG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
411	SLG	51.91		3317660653					N/A
412	SNA	230.51		12045376130					N/A
413	SNPS	384.30		57253522327					N/A
414	SO	77.02		84396283316					N/A
415	SPG	113.90		36107218717					N/A

[416 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SPGI/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
412	SNA	230.51		12045376130					N/A
413	SNPS	384.30		57253522327					N/A
414	SO	77.02		84396283316					N/A
415	SPG	113.90		36107218717					N/A
416	SPGI	388.63		133447331914					N/A

[417 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SRE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
413	SNPS	384.30		57253522327					N/A
414	SO	77.02		84396283316					N/A
415	SPG	113.90		36107218717					N/A
416	SPGI	388.63		133447331914					N/A
417	SRE	169.20		53850374765					N/A

[418 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/STE/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
414	SO	77.02		84396283316					N/A
415	SPG	113.90		36107218717					N/A
416	SPGI	388.63		133447331914					N/A
417	SRE	169.20		53850374765					N/A
418	STE	227.51		23667020764					N/A

[419 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/STT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
415	SPG	113.90		36107218717					N/A
416	SPGI	388.63		133447331914					N/A
417	SRE	169.20		53850374765					N/A
418	STE	227.51		23667020764					N/A
419	STT	73.70		26723727997					N/A

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https://sandbox.iexapis.com/stable/stock/STX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
416	SPGI	388.63		133447331914					N/A
417	SRE	169.20		53850374765					N/A
418	STE	227.51		23667020764					N/A
419	STT	73.70		26723727997					N/A
420	STX	83.52		17214932609					N/A

[421 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/STZ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
A	134.80		40650801779					N/A
AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
SRE	169.20		53850374765					N/A
STE	227.51		23667020764					N/A
STT	73.70		26723727997					N/A
STX	83.52		17214932609					N/A
STZ	256.37		47291441505					N/A
	A AAL AAP AAPL ABBV SRE STE STT	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 SRE 169.20 STE 227.51 STT 73.70 STX 83.52	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 SRE 169.20 STE 227.51 STT 73.70 STX 83.52	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 SRE 169.20 53850374765 STE 227.51 23667020764 STT 73.70 26723727997 STX 83.52 17214932609	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 SRE 169.20 53850374765 STE 227.51 23667020764 STT 73.70 26723727997 STX 83.52 17214932609	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 SRE 169.20 53850374765 STE 227.51 23667020764 STT 73.70 26723727997 STX 83.52 17214932609	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 SRE 169.20 53850374765 STE 227.51 23667020764 STT 73.70 26723727997 STX 83.52 17214932609	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 SRE 169.20 53850374765 STE 227.51 23667020764 STT 73.70 26723727997 STX 83.52 17214932609

[422 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SWK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
418	STE	227.51		23667020764					N/A
419	STT	73.70		26723727997					N/A
420	STX	83.52		17214932609					N/A
421	STZ	256.37		47291441505					N/A
422	SWK	101.92		15092745678					N/A

[423 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SWKS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
419	STT	73.70		26723727997					N/A
420	STX	83.52		17214932609					N/A
421	STZ	256.37		47291441505					N/A
422	SWK	101.92		15092745678					N/A
423	SWKS	111.79		18378846275					N/A

[424 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SYF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
420	STX	83.52		17214932609					N/A
421	STZ	256.37		47291441505					N/A
422	SWK	101.92		15092745678					N/A
423	SWKS	111.79		18378846275					N/A
424	SYF	34.07		16588540984					N/A

[425 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SYK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
421	STZ	256.37		47291441505					N/A
422	SWK	101.92		15092745678					N/A
423	SWKS	111.79		18378846275					N/A
424	SYF	34.07		16588540984					N/A
425	SYK	215.42		81769396151					N/A

[426 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/SYY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
422	SWK	101.92		15092745678					N/A
423	SWKS	111.79		18378846275					N/A
424	SYF	34.07		16588540984					N/A
425	SYK	215.42		81769396151					N/A
426	SYY	85.60		44665838159					N/A

[427 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/T/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
423	SWKS	111.79		18378846275					N/A
424	SYF	34.07		16588540984					N/A
425	SYK	215.42		81769396151					N/A
426	SYY	85.60		44665838159					N/A
427	Т	18.96		139643873988					N/A

[428 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TAP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
C)	A	134.80		40650801779					N/A
1	_	AAL	13.86		9003151972					N/A
2	2	AAP	199.95		11784743480					N/A
3	3	AAPL	170.63		2682163395015					N/A
4	l	ABBV	143.55		257378286828					N/A
4	124	SYF	34.07		16588540984					N/A
4	125	SYK	215.42		81769396151					N/A
4	126	SYY	85.60		44665838159					N/A
4	127	T	18.96		139643873988					N/A
4	128	TAP	61.59		13220499768					N/A

[429 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TDG/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
425	SYK	215.42		81769396151					N/A
426	SYY	85.60		44665838159					N/A
427	Т	18.96		139643873988					N/A
428	TAP	61.59		13220499768					N/A
429	TDG	653.10		35588362739					N/A

[430 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TDY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
426	SYY	85.60		44665838159					N/A
427	Т	18.96		139643873988					N/A
428	TAP	61.59		13220499768					N/A
429	TDG	653.10		35588362739					N/A
430	TDY	395.50		19247702636					N/A

[431 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TEL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
427	T	18.96		139643873988					N/A
428	TAP	61.59		13220499768					N/A
429	TDG	653.10		35588362739					N/A
430	TDY	395.50		19247702636					N/A
431	TEL	137.68		43358197888					N/A

[432 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TFC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
428	TAP	61.59		13220499768					N/A
429	TDG	653.10		35588362739					N/A
430	TDY	395.50		19247702636					N/A
431	TEL	137.68		43358197888					N/A
432	TFC	52.29		68346617955					N/A

[433 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TFX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
429	TDG	653.10		35588362739					N/A
430	TDY	395.50		19247702636					N/A
431	TEL	137.68		43358197888					N/A
432	TFC	52.29		68346617955					N/A
433	TFX	242.73		11286419555					N/A

[434 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TGT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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lryda', 'highTime': 1722089354789, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPric e': None, 'iexBidSize': None, 'iexClose': 166.75, 'iexCloseTime': 1738704658482, 'iexLastU pdated': None, 'iexMarketPercent': None, 'iexOpen': 164.728, 'iexOpenTime': 1724405555812, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1726942519758, 'latestPrice': 171.38, 'latestSource': 'Close', 'latestTime': 'July 29, 202', 'latestUpdate': 1698128961774, 'latestVolume': 5749786, 'low': 161, 'lowSource': 't ceypdl15ndem i aieure', 'lowTime': 1702525082898, 'marketCap': 76770252895, 'oddLotDelayedPrice': 163.49, 'oddLotDelayedPriceTime': 1691393815509, 'open': 161, 'openTime': 1692749270452, 'openSource': 'ciofilaf', 'peRatio': 13.92, 'previousClose': 162.13, 'previousVolume': 3186966, 'primaryExchange': 'ER.C GA YOSNEWOEKN KXINCHCT', 'symbol': 'TGT', 'volume': 5538451, 'week52High': 270.6, 'week52Low': 137.53, 'ytdChange': -0.2673566348025959, 'isUSMarketOpen': False}

		-		-						
		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0		A	134.80		40650801779					N/A
1		AAL	13.86		9003151972					N/A
2		AAP	199.95		11784743480					N/A
3	,	AAPL	170.63		2682163395015					N/A
4		ABBV	143.55		257378286828					N/A
4	30	TDY	395.50		19247702636					N/A
4	31	TEL	137.68		43358197888					N/A
4	32	TFC	52.29		68346617955					N/A
4	33	TFX	242.73		11286419555					N/A
4	34	TGT	171.38		76770252895					N/A

[435 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TIF/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

{'avgTotalVolume': 1824417, 'calculationPrice': 'previousclose', 'change': 0, 'changePerce nt': 0, 'close': 0, 'closeSource': 'icfoflai', 'closeTime': None, 'companyName': 'Tiffany & Co.', 'currency': 'USD', 'delayedPrice': None, 'delayedPriceTime': None, 'extendedChang e': None, 'extendedChangePercent': None, 'extendedPrice': None, 'extendedPriceTime': None, 'high': 136.26, 'highSource': 'olCes', 'highTime': 1655783502952, 'iexAskPrice': None, 'i exAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 135.42, 'iexCloseTi me': 1656298181536, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 133.09, 'iexOpenTime': 1669011108087, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolu me': None, 'lastTradeTime': 1687894468149, 'latestPrice': 136.76, 'latestSource': 'Previou s close', 'latestTime': 'January 6, 2021', 'latestUpdate': 1688992951454, 'latestVolume': 1357091, 'low': 0, 'lowSource': ' yecmeeln1t5ud edii rap', 'lowTime': 1683997192233, 'mar ketCap': 16100965381, 'oddLotDelayedPrice': 133.47, 'oddLotDelayedPriceTime': 164587652254 2, 'open': 0, 'openTime': None, 'openSource': 'ailfiocf', 'peRatio': 56.2, 'previousClos e': 136.54, 'previousVolume': 6412806, 'primaryExchange': 'NIKEKCO XT, NOCG CEYNSWE.R HA', 'symbol': 'TIF', 'volume': 1416426, 'week52High': 137.83, 'week52Low': 1.57, 'ytdChange': 7.947977820230552e-05, 'isUSMarketOpen': False}

			,	_		•			
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
431	TEL	137.68		43358197888					N/A
432	TFC	52.29		68346617955					N/A
433	TFX	242.73		11286419555					N/A
434	TGT	171.38		76770252895					N/A
435	TIF	136.76		16100965381					N/A

[436 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TJX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
432	TFC	52.29		68346617955					N/A
433	TFX	242.73		11286419555					N/A
434	TGT	171.38		76770252895					N/A
435	TIF	136.76		16100965381					N/A
436	TJX	61.49		73568560094					N/A

[437 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TMO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
433	TFX	242.73		11286419555					N/A
434	TGT	171.38		76770252895					N/A
435	TIF	136.76		16100965381					N/A
436	TJX	61.49		73568560094					N/A
437	TMO	627.76		239099875598					N/A

[438 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TMUS/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
434	TGT	171.38		76770252895					N/A
435	TIF	136.76		16100965381					N/A
436	TJX	61.49		73568560094					N/A
437	TMO	627.76		239099875598					N/A
438	TMUS	145.25		184667312357					N/A

[439 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TPR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

{'avgTotalVolume': 3141771, 'calculationPrice': 'close', 'change': -0.4, 'changePercent': -0.01197, 'close': 34.14, 'closeSource': 'liaiocff', 'closeTime': 1713637375208, 'company Name': 'Tapestry Inc', 'currency': 'USD', 'delayedPrice': 35.06, 'delayedPriceTime': 16736 97371700, 'extendedChange': 0.08, 'extendedChangePercent': 0.00238, 'extendedPrice': 34.0 2, 'extendedPriceTime': 1697317366616, 'high': 35.61, 'highSource': 'clliem pueet dandyre 5i', 'highTime': 1705770235549, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': No ne, 'iexBidSize': None, 'iexClose': 33.79, 'iexCloseTime': 1660717809534, 'iexLastUpdate d': None, 'iexMarketPercent': None, 'iexOpen': 35.08, 'iexOpenTime': 1733335178844, 'iexRe altimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 168984071 1956, 'latestPrice': 35.13, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'lates tUpdate': 1676098973887, 'latestVolume': 2394150, 'low': 34.06, 'lowSource': ' yn15ddeelma u iertci pe', 'lowTime': 1719224947055, 'marketCap': 8512793446, 'oddLotDelayedPrice': 33. 66, 'oddLotDelayedPriceTime': 1668031545050, 'open': 34.06, 'openTime': 1665026256922, 'op enSource': 'olfcfaii', 'peRatio': 10.85, 'previousClose': 35.14, 'previousVolume': 283397 4, 'primaryExchange': 'XEOETOHCKCNRK .NY AGCI WSNE', 'symbol': 'TPR', 'volume': 2435978, 'week52High': 48.13, 'week52Low': 26.4, 'ytdChange': -0.1757899261914673, 'isUSMarketOpe n': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
435	TIF	136.76		16100965381					N/A
436	TJX	61.49		73568560094					N/A
437	TMO	627.76		239099875598					N/A
438	TMUS	145.25		184667312357					N/A
439	TPR	35.13		8512793446					N/A

[440 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TROW/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
436	TJX	61.49		73568560094					N/A
437	TMO	627.76		239099875598					N/A
438	TMUS	145.25		184667312357					N/A
439	TPR	35.13		8512793446					N/A
440	TROW	125.09		28511532717					N/A

[441 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TRV/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
(С	A	134.80		40650801779					N/A
-	1	AAL	13.86		9003151972					N/A
2	2	AAP	199.95		11784743480					N/A
(3	AAPL	170.63		2682163395015					N/A
4	4	ABBV	143.55		257378286828					N/A
4	437	TMO	627.76		239099875598					N/A
4	438	TMUS	145.25		184667312357					N/A
4	439	TPR	35.13		8512793446					N/A
4	440	TROW	125.09		28511532717					N/A
4	441	TRV	161.90		37875617255					N/A

[442 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TSCO/quote?token=Tpk_059b97af715d417d9f49f50b51b1

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Price': None, 'iexBidSize': None, 'iexClose': 192.71, 'iexCloseTime': 1725568067039, 'iexL astUpdated': None, 'iexMarketPercent': None, 'iexOpen': 199.06, 'iexOpenTime': 16648424224 52, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1677860432806, 'latestPrice': 191.81, 'latestSource': 'Close', 'latestTime': 'July 29, 20 22', 'latestUpdate': 1718951629325, 'latestVolume': 1228065, 'low': 191.8, 'lowSource': 'd u5a nptdycmei lreiele', 'lowTime': 1736194212956, 'marketCap': 22445732990, 'oddLotDelayedPrice': 194.01, 'oddLotDelayedPriceTime': 1713449960662, 'open': 196.81, 'openTime': 1686 269108074, 'openSource': 'facfoili', 'peRatio': 22.34, 'previousClose': 195.83, 'previousVolume': 1250260, 'primaryExchange': 'ASQNAD', 'symbol': 'TSCO', 'volume': 1213055, 'week52 High': 245.72, 'week52Low': 168.7, 'ytdChange': -0.19173984694533858, 'isUSMarketOpen': Fa lse}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
438	TMUS	145.25		184667312357					N/A
439	TPR	35.13		8512793446					N/A
440	TROW	125.09		28511532717					N/A
441	TRV	161.90		37875617255					N/A
442	TSCO	191.81		22445732990					N/A

[443 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TSN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
439	TPR	35.13		8512793446					N/A
440	TROW	125.09		28511532717					N/A
441	TRV	161.90		37875617255					N/A
442	TSCO	191.81		22445732990					N/A
443	TSN	90.27		32104560168					N/A

[444 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 1492504, 'calculationPrice': 'close', 'change': 1.69, 'changePercent': 0.01136, 'close': 149.07, 'closeSource': 'cioffial', 'closeTime': 1734811689419, 'company Name': 'Trane Technologies plc - Class A', 'currency': 'USD', 'delayedPrice': 148.84, 'del ayedPriceTime': 1686533684069, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 152.79, 'extendedPriceTime': 1659561451677, 'high': 154.3, 'highSource': 'eeEp ieXr tcimr Ial', 'highTime': 1683406318027, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPr

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
440	TROW	125.09		28511532717					N/A
441	TRV	161.90		37875617255					N/A
442	TSCO	191.81		22445732990					N/A
443	TSN	90.27		32104560168					N/A
444	TT	152.27		35844432577					N/A

[445 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TTWO/quote?token=Tpk_059b97af715d417d9f49f50b51b1

{'avgTotalVolume': 1695858, 'calculationPrice': 'close', 'change': 2.46, 'changePercent': 0.01911, 'close': 134.45, 'closeSource': 'calfifoi', 'closeTime': 1716581916800, 'company Name': 'Take-Two Interactive Software, Inc.', 'currency': 'USD', 'delayedPrice': 135.14, 'delayedPriceTime': 1713341646917, 'extendedChange': -0.33, 'extendedChangePercent': -0.0 0245, 'extendedPrice': 136.84, 'extendedPriceTime': 1677435058440, 'high': 135.69, 'highSo urce': 'c511 yait mndeepeerud i', 'highTime': 1675470571244, 'iexAskPrice': None, 'iexAskS ize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 138.75, 'iexCloseTime': 1 681193245218, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 134.91, 'iexOpe nTime': 1687544009206, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': Non e, 'lastTradeTime': 1716792446566, 'latestPrice': 135.48, 'latestSource': 'Close', 'latest Time': 'July 29, 2022', 'latestUpdate': 1718982966046, 'latestVolume': 1932523, 'low': 12 9.62, 'lowSource': 'eredud ti5ymnliac eep 1', 'lowTime': 1664053000721, 'marketCap': 22317 233294, 'oddLotDelayedPrice': 138.64, 'oddLotDelayedPriceTime': 1712413561194, 'open': 12 9.62, 'openTime': 1705866495968, 'openSource': 'iafclfoi', 'peRatio': 38.4, 'previousClos e': 132.69, 'previousVolume': 2713427, 'primaryExchange': 'QASADN', 'symbol': 'TTWO', 'vol ume': 1973694, 'week52High': 197.46, 'week52Low': 104.94, 'ytdChange': -0.2354406605024131 6, 'isUSMarketOpen': False}

		-		•					
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
441	TRV	161.90		37875617255					N/A
442	TSCO	191.81		22445732990					N/A
443	TSN	90.27		32104560168					N/A
444	TT	152.27		35844432577					N/A
445	TTWO	135.48		22317233294					N/A

[446 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TWTR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
C)	A	134.80		40650801779					N/A
1	_	AAL	13.86		9003151972					N/A
2	2	AAP	199.95		11784743480					N/A
3	3	AAPL	170.63		2682163395015					N/A
4	ŀ	ABBV	143.55		257378286828					N/A
4	142	TSCO	191.81		22445732990					N/A
4	143	TSN	90.27		32104560168					N/A
4	144	TT	152.27		35844432577					N/A
4	145	TTWO	135.48		22317233294					N/A
4	146	TWTR	42.04		31938396010					N/A

[447 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TXN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
443	TSN	90.27		32104560168					N/A
444	TT	152.27		35844432577					N/A
445	TTWO	135.48		22317233294					N/A
446	TWTR	42.04		31938396010					N/A
447	TXN	181.74		166139136763					N/A

[448 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TXT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
444	TT	152.27		35844432577					N/A
445	TTWO	135.48		22317233294					N/A
446	TWTR	42.04		31938396010					N/A
447	TXN	181.74		166139136763					N/A
448	TXT	67.97		14293261736					N/A

[449 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/TYL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
445	TTWO	135.48		22317233294					N/A
446	TWTR	42.04		31938396010					N/A
447	TXN	181.74		166139136763					N/A
448	TXT	67.97		14293261736					N/A
449	TYL	413.00		17341858228					N/A

[450 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/UA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
(0	A	134.80		40650801779					N/A
-	1	AAL	13.86		9003151972					N/A
2	2	AAP	199.95		11784743480					N/A
(3	AAPL	170.63		2682163395015					N/A
4	4	ABBV	143.55		257378286828					N/A
4	446	TWTR	42.04		31938396010					N/A
4	447	TXN	181.74		166139136763					N/A
4	448	TXT	67.97		14293261736					N/A
4	449	TYL	413.00		17341858228					N/A
4	450	UA	8.34		4158766230					N/A

[451 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/UAA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	ΟÍ	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
447	TXN	181.74		166139136763					N/A
448	TXT	67.97		14293261736					N/A
449	TYL	413.00		17341858228					N/A
450	UA	8.34		4158766230					N/A
451	UAA	9.50		4128824682					N/A

[452 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/UAL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
TXT	67.97		14293261736					N/A
TYL	413.00		17341858228					N/A
UA	8.34		4158766230					N/A
UAA	9.50		4128824682					N/A
UAL	38.10		12347359589					N/A
	A AAL AAP AAPL ABBV TXT TYL UA UAA	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 TXT 67.97 TYL 413.00 UA 8.34 UAA 9.50	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 TXT 67.97 TYL 413.00 UA 8.34 UAA 9.50	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 TXT 67.97 14293261736 TYL 413.00 17341858228 UA 8.34 4158766230 UAA 9.50 4128824682	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 TXT 67.97 14293261736 TYL 413.00 17341858228 UA 8.34 4158766230 UAA 9.50 4128824682	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 TXT 67.97 14293261736 TYL 413.00 17341858228 UA 8.34 4158766230 UAA 9.50 4128824682	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 TXT 67.97 14293261736 TYL 413.00 17341858228 UA 8.34 4158766230 UAA 9.50 4128824682	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 TXT 67.97 14293261736 TYL 413.00 17341858228 UA 8.34 4158766230 UAA 9.50 4128824682

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https://sandbox.iexapis.com/stable/stock/UDR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
449	TYL	413.00		17341858228					N/A
450	UA	8.34		4158766230					N/A
451	UAA	9.50		4128824682					N/A
452	UAL	38.10		12347359589					N/A
453	UDR	50.00		16392372410					N/A

[454 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/UHS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
450	UA	8.34		4158766230					N/A
451	UAA	9.50		4128824682					N/A
452	UAL	38.10		12347359589					N/A
453	UDR	50.00		16392372410					N/A
454	UHS	116.46		10023761362					N/A

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https://sandbox.iexapis.com/stable/stock/ULTA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
UAA	9.50		4128824682					N/A
UAL	38.10		12347359589					N/A
UDR	50.00		16392372410					N/A
UHS	116.46		10023761362					N/A
ULTA	407.18		21027935733					N/A
	A AAL AAP AAPL ABBV UAA UAL UDR UHS	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 UAA 9.50 UAL 38.10 UDR 50.00 UHS 116.46	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 UAA 9.50 UAL 38.10 UDR 50.00 UHS 116.46	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UAA 9.50 4128824682 UAL 38.10 12347359589 UDR 50.00 16392372410 UHS 116.46 10023761362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UAA 9.50 4128824682 UAL 38.10 12347359589 UDR 50.00 16392372410 UHS 116.46 10023761362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UAA 9.50 4128824682 UAL 38.10 12347359589 UDR 50.00 16392372410 UHS 116.46 10023761362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UAA 9.50 4128824682 UAL 38.10 12347359589 UDR 50.00 16392372410 UHS 116.46 10023761362	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UAA 9.50 4128824682 UAL 38.10 12347359589 UDR 50.00 16392372410 UHS 116.46 10023761362

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
452	UAL	38.10		12347359589					N/A
453	UDR	50.00		16392372410					N/A
454	UHS	116.46		10023761362					N/A
455	ULTA	407.18		21027935733					N/A
456	UNH	544.97		510285346109					N/A

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https://sandbox.iexapis.com/stable/stock/UNM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
UDR	50.00		16392372410					N/A
UHS	116.46		10023761362					N/A
ULTA	407.18		21027935733					N/A
UNH	544.97		510285346109					N/A
UNM	33.12		6567817952					N/A
	A AAL AAP AAPL ABBV UDR UHS ULTA UNH	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 UDR 50.00 UHS 116.46 ULTA 407.18 UNH 544.97	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 UDR 50.00 UHS 116.46 ULTA 407.18 UNH 544.97	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UDR 50.00 16392372410 UHS 116.46 10023761362 ULTA 407.18 21027935733 UNH 544.97 510285346109	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UDR 50.00 16392372410 UHS 116.46 10023761362 ULTA 407.18 21027935733 UNH 544.97 510285346109	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UDR 50.00 16392372410 UHS 116.46 10023761362 ULTA 407.18 21027935733 UNH 544.97 510285346109	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UDR 50.00 16392372410 UHS 116.46 10023761362 ULTA 407.18 21027935733 UNH 544.97 510285346109	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 UDR 50.00 16392372410 UHS 116.46 10023761362 ULTA 407.18 21027935733 UNH 544.97 510285346109

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https://sandbox.iexapis.com/stable/stock/UNP/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
454	UHS	116.46		10023761362					N/A
455	ULTA	407.18		21027935733					N/A
456	UNH	544.97		510285346109					N/A
457	UNM	33.12		6567817952					N/A
458	UNP	237.80		148612914554					N/A

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https://sandbox.iexapis.com/stable/stock/UPS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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N/A
N/A
N/A
N/A
N/A

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https://sandbox.iexapis.com/stable/stock/URI/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
456	UNH	544.97		510285346109					N/A
457	UNM	33.12		6567817952					N/A
458	UNP	237.80		148612914554					N/A
459	UPS	199.61		170173962994					N/A
460	URI	332.81		23255971350					N/A

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https://sandbox.iexapis.com/stable/stock/USB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	TTCICL	IIICC	MALKCC	Capitalization	Number	OI	DITALCS	CO	ьиу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
457	UNM	33.12		6567817952					N/A
458	UNP	237.80		148612914554					N/A
459	UPS	199.61		170173962994					N/A
460	URI	332.81		23255971350					N/A
461	USB	47.30		73294952170					N/A

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https://sandbox.iexapis.com/stable/stock/V/quote?token=Tpk_059b97af715d417d9f49f50b51b1c44 8

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
458	UNP	237.80		148612914554					N/A
459	UPS	199.61		170173962994					N/A
460	URI	332.81		23255971350					N/A
461	USB	47.30		73294952170					N/A
462	V	219.12		481241164467					N/A

[463 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VAR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	-			_ ,				,		
		Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
(0	A	134.80		40650801779					N/A
-	1	AAL	13.86		9003151972					N/A
2	2	AAP	199.95		11784743480					N/A
(3	AAPL	170.63		2682163395015					N/A
4	4	ABBV	143.55		257378286828					N/A
4	459	UPS	199.61		170173962994					N/A
4	460	URI	332.81		23255971350					N/A
4	461	USB	47.30		73294952170					N/A
4	462	2 V	219.12		481241164467					N/A
4	463	VAR	180.03		16901740644					N/A

[464 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VFC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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Ticker Price Market Capitalization Number Of Shares to Buy
       A 134.80
                         40650801779
                                                      N/A
0
1
     AAL 13.86
                          9003151972
                                                      N/A
2
     AAP 199.95
                         11784743480
                                                      N/A
3
    AAPL 170.63
                      2682163395015
                                                      N/A
4
    ABBV 143.55
                       257378286828
                                                      N/A
     . . .
                                                      . . .
460
    URI 332.81
                        23255971350
                                                      N/A
461
    USB 47.30
                         73294952170
                                                      N/A
      V 219.12
                        481241164467
                                                      N/A
462
463
     VAR 180.03
                        16901740644
                                                      N/A
464
   VFC 45.87
                         17468170661
                                                      N/A
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[465 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VLO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
461	USB	47.30		73294952170					N/A
462	V	219.12		481241164467					N/A
463	VAR	180.03		16901740644					N/A
464	VFC	45.87		17468170661					N/A
465	VLO	112.91		45445740432					N/A

[466 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VMC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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2, 'extendedPriceTime': 1721628126808, 'high': 169.27, 'highSource': 'elmpiedue edilyrat5
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
462	V	219.12		481241164467					N/A
463	VAR	180.03		16901740644					N/A
464	VFC	45.87		17468170661					N/A
465	VLO	112.91		45445740432					N/A
466	VMC	171.30		22325665847					N/A

[467 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VNO/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 2173575, 'calculationPrice': 'close', 'change': 0.39, 'changePercent': 0.0131, 'close': 31.74, 'closeSource': 'afiiocfl', 'closeTime': 1661979656316, 'companyNa me': 'Vornado Realty Trust', 'currency': 'USD', 'delayedPrice': 31.87, 'delayedPriceTime': 1710352995566, 'extendedChange': 0, 'extendedChangePercent': 0, 'extendedPrice': 31.42, 'extendedPriceTime': 1734421638690, 'high': 31.74, 'highSource': '5iilmecn dr uteap eedy 1', 'highTime': 1685669821643, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': Non e, 'iexBidSize': None, 'iexClose': 31.87, 'iexCloseTime': 1706823503370, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 31.01, 'iexOpenTime': 1692598436427, 'iexRealt imePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 171560178192 6, 'latestPrice': 31.65, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUp date': 1688575426998, 'latestVolume': 8131607, 'low': 31.09, 'lowSource': ' mleu 1eidctaen yprdi5 e', 'lowTime': 1703473346585, 'marketCap': 5909212580, 'oddLotDelayedPrice': 31.36, 'oddLotDelayedPriceTime': 1741019962172, 'open': 31.09, 'openTime': 1670833128936, 'openS ource': 'iioacffl', 'peRatio': 49.91, 'previousClose': 30.37, 'previousVolume': 1903635, 'primaryExchange': 'K N RE EHNIWTOCEO.NA YKXCSGC', 'symbol': 'VNO', 'volume': 8182281, 'w eek52High': 47.96, 'week52Low': 27.92, 'ytdChange': -0.24369208460703795, 'isUSMarketOpe n': False}

	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
463	VAR	180.03		16901740644					N/A
464	VFC	45.87		17468170661					N/A
465	VLO	112.91		45445740432					N/A
466	VMC	171.30		22325665847					N/A
467	VNO	31.65		5909212580					N/A

[468 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VRSK/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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                          40650801779
     AAL
           13.86
                           9003151972
                                                         N/A
1
2
      AAP 199.95
                          11784743480
                                                         N/A
3
    AAPL 170.63
                        2682163395015
                                                         N/A
                         257378286828
4
    ABBV 143.55
                                                         N/A
      . . .
                                                         . . .
            . . .
. .
                                  . . .
                         17468170661
      VFC
          45.87
464
                                                         N/A
465
    VLO 112.91
                          45445740432
                                                         N/A
466
    VMC 171.30
                          22325665847
                                                         N/A
      VNO
           31.65
                           5909212580
467
                                                         N/A
468
    VRSK 193.96
                          31042590682
                                                         N/A
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[469 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VRSN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
465	VLO	112.91		45445740432					N/A
466	VMC	171.30		22325665847					N/A
467	VNO	31.65		5909212580					N/A
468	VRSK	193.96		31042590682					N/A
469	VRSN	197.05		20794140182					N/A

[470 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VRTX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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          Price Market Capitalization Number Of Shares to Buy
()
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                        40650801779
     AAL
          13.86
                          9003151972
                                                       N/A
1
2
     AAP 199.95
                          11784743480
                                                       N/A
3
    AAPL 170.63
                       2682163395015
                                                       N/A
4
    ABBV 143.55
                        257378286828
                                                       N/A
      . . .
                                                       . . .
           . . .
. .
                                 . . .
     VMC 171.30
                         22325665847
466
                                                       N/A
467
     VNO 31.65
                          5909212580
                                                       N/A
468
   VRSK 193.96
                         31042590682
                                                       N/A
    VRSN 197.05
                          20794140182
                                                       N/A
469
470
   VRTX 282.11
                         74633761805
                                                       N/A
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[471 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VTR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c 448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
467	VNO	31.65		5909212580					N/A
468	VRSK	193.96		31042590682					N/A
469	VRSN	197.05		20794140182					N/A
470	VRTX	282.11		74633761805					N/A
471	VTR	54.38		21902141463					N/A

[472 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/VZ/quote?token=Tpk_059b97af715d417d9f49f50b51b1c4

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
468	VRSK	193.96		31042590682					N/A
469	VRSN	197.05		20794140182					N/A
470	VRTX	282.11		74633761805					N/A
471	VTR	54.38		21902141463					N/A
472	VZ	47.10		197187263113					N/A

[473 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WAB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
469	VRSN	197.05		20794140182					N/A
470	VRTX	282.11		74633761805					N/A
471	VTR	54.38		21902141463					N/A
472	VZ	47.10		197187263113					N/A
473	WAB	98.07		17189593422					N/A

[474 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WAT/quote?token=Tpk_059b97af715d417d9f49f50b51b1c

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
470	O VRTX	282.11		74633761805					N/A
47	1 VTR	54.38		21902141463					N/A
472	2 VZ	47.10		197187263113					N/A
473	3 WAB	98.07		17189593422					N/A
47	4 WAT	375.00		22559689681					N/A

[475 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WBA/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
VTR	54.38		21902141463					N/A
VZ	47.10		197187263113					N/A
WAB	98.07		17189593422					N/A
WAT	375.00		22559689681					N/A
WBA	41.14		34391827007					N/A
	A AAL AAP AAPL ABBV VTR VZ WAB WAT	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 VTR 54.38 VZ 47.10 WAB 98.07 WAT 375.00	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 VTR 54.38 VZ 47.10 WAB 98.07 WAT 375.00	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 VTR 54.38 21902141463 VZ 47.10 197187263113 WAB 98.07 17189593422 WAT 375.00 22559689681	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 VTR 54.38 21902141463 VZ 47.10 197187263113 WAB 98.07 17189593422 WAT 375.00 22559689681	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 VTR 54.38 21902141463 VZ 47.10 197187263113 WAB 98.07 17189593422 WAT 375.00 22559689681	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 VTR 54.38 21902141463 VZ 47.10 197187263113 WAB 98.07 17189593422 WAT 375.00 22559689681	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 VTR 54.38 21902141463 VZ 47.10 197187263113 WAB 98.07 17189593422 WAT 375.00 22559689681

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https://sandbox.iexapis.com/stable/stock/WDC/quote?token=Tpk 059b97af715d417d9f49f50b51b1c

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Ticker Price Market Capitalization Number Of Shares to Buy

0	А	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
472	VZ	47.10	197187263113	N/A
473	WAB	98.07	17189593422	N/A
474	WAT	375.00	22559689681	N/A
475	WBA	41.14	34391827007	N/A
476	WDC	51.20	16130375784	N/A

[477 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WEC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
473	WAB	98.07		17189593422					N/A
474	WAT	375.00		22559689681					N/A
475	WBA	41.14		34391827007					N/A
476	WDC	51.20		16130375784					N/A
477	WEC	106.84		34028229475					N/A

40650801779

[478 rows x 4 columns]

A 134.80

https://sandbox.iexapis.com/stable/stock/WELL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
474	WAT	375.00	22559689681	N/A
475	WBA	41.14	34391827007	N/A
476	WDC	51.20	16130375784	N/A
477	WEC	106.84	34028229475	N/A
478	WELL	90.32	40640676202	N/A

[479 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WFC/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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-									
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
475	WBA	41.14		34391827007					N/A
476	WDC	51.20		16130375784					N/A
477	WEC	106.84		34028229475					N/A
478	WELL	90.32		40640676202					N/A
479	WFC	44.37		166809550408					N/A

[480 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WHR/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy

A 134.80 40650801779 N/A

1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
476	WDC	51.20	16130375784	N/A
477	WEC	106.84	34028229475	N/A
478	WELL	90.32	40640676202	N/A
479	WFC	44.37	166809550408	N/A
480	WHR	176.97	9891591165	N/A

[481 rows x 4 columns]

 $\label{lock-wm-quote} $$ https://sandbox.iexapis.com/stable/stock/WM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448 $$$

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
477	WEC	106.84		34028229475					N/A
478	WELL	90.32		40640676202					N/A
479	WFC	44.37		166809550408					N/A
480	WHR	176.97		9891591165					N/A
481	WM	167.61		69806942672					N/A

[482 rows x 4 columns]

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https://sandbox.iexapis.com/stable/stock/WMB/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy
A 134.80 40650801779 N/A

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3
     AAPL 170.63
                        2682163395015
                                                          N/A
     ABBV 143.55
4
                                                          N/A
                         257378286828
      . . .
. .
            . . .
                                  . . .
                                                          . . .
478
    WELL
          90.32
                          40640676202
                                                          N/A
479
     WFC 44.37
                         166809550408
                                                          N/A
      WHR 176.97
480
                           9891591165
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481
      WM 167.61
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                                                          N/A
482
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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
479	WFC	44.37		166809550408					N/A
480	WHR	176.97		9891591165					N/A
481	MM	167.61		69806942672					N/A
482	WMB	34.98		41530306290					N/A
483	WMT	133.04		379950969296					N/A

[484 rows x 4 columns]

13.86

AAL

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N/A

9003151972

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3
     AAPL 170.63
                                                         N/A
                         2682163395015
     ABBV 143.55
                         257378286828
                                                         N/A
. .
            . . .
                                                         . . .
      WHR 176.97
                           9891591165
480
                                                         N/A
481
      WM 167.61
                          69806942672
                                                         N/A
482
      WMB 34.98
                          41530306290
                                                         N/A
483
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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
MM	167.61		69806942672					N/A
WMB	34.98		41530306290					N/A
WMT	133.04		379950969296					N/A
WRB	65.04		17199802991					N/A
WRK	43.53		11168554630					N/A
	A AAL AAP AAPL ABBV WM WMB WMT	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 WM 167.61 WMB 34.98 WMT 133.04 WRB 65.04	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 WM 167.61 WMB 34.98 WMT 133.04 WRB 65.04	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 WM 167.61 69806942672 WMB 34.98 41530306290 WMT 133.04 379950969296 WRB 65.04 17199802991	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 WM 167.61 69806942672 WMB 34.98 41530306290 WMT 133.04 379950969296 WRB 65.04 17199802991	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 WM 167.61 69806942672 WMB 34.98 41530306290 WMT 133.04 379950969296 WRB 65.04 17199802991	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 WM 167.61 69806942672 WMB 34.98 41530306290 WMT 133.04 379950969296 WRB 65.04 17199802991	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 WM 167.61 69806942672 WMB 34.98 41530306290 WMT 133.04 379950969296 WRB 65.04 17199802991

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Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
Ο Α	134.80		40650801779					N/A
1 AAL	13.86		9003151972					N/A
2 AAP	199.95		11784743480					N/A

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3
     AAPL 170.63
                          2682163395015
                                                            N/A
     ABBV 143.55
                                                            N/A
4
                           257378286828
      . . .
              . . .
                                                            . . .
. .
                           41530306290
      WMB
           34.98
                                                            N/A
482
483
      WMT 133.04
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https://sandbox.iexapis.com/stable/stock/WU/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
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1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
483	WMT	133.04		379950969296					N/A
484	WRB	65.04		17199802991					N/A
485	WRK	43.53		11168554630					N/A
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487	WU	17.12		6740439543					N/A

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https://sandbox.iexapis.com/stable/stock/WY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A

```
3
     AAPL 170.63
                          2682163395015
                                                           N/A
4
     ABBV 143.55
                          257378286828
                                                          N/A
      . . .
             . . .
                                                           . . .
          65.04
                          17199802991
484
      WRB
                                                          N/A
           43.53
485
      WRK
                           11168554630
                                                          N/A
    WST 353.63
486
                          25466498474
                                                          N/A
487
      WU
           17.12
                                                          N/A
                            6740439543
488
      WY
            38.13
                            27190101507
                                                          N/A
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[489 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/WYNN/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
485	WRK	43.53		11168554630					N/A
486	WST	353.63		25466498474					N/A
487	WU	17.12		6740439543					N/A
488	WY	38.13		27190101507					N/A
489	WYNN	66.09		7619687010					N/A

[490 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/XEL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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Ticker Price Market Capitalization Number Of Shares to Buy 0 A 134.80 40650801779 N/A 1 AAL 13.86 9003151972 N/A 2 AAP 199.95 11784743480 N/A 3 AAPL 170.63 2682163395015 N/A 4 ABBV 143.55 257378286828 N/A

```
...
. .
      . . .
                                                          . . .
486
      WST 353.63
                           25466498474
                                                         N/A
487
      WU 17.12
                           6740439543
                                                         N/A
488
      WY
           38.13
                          27190101507
                                                         N/A
          66.09
                            7619687010
489
    WYNN
                                                         N/A
490
          75.51
                           40950331405
     XEL
                                                         N/A
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[491 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/XLNX/quote?token=Tpk_059b97af715d417d9f49f50b51b1 c448

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							-		
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
487	WU	17.12		6740439543					N/A
488	WY	38.13		27190101507					N/A
489	WYNN	66.09		7619687010					N/A
490	XEL	75.51		40950331405					N/A
491	XLNX	201.02		48917886684					N/A

[492 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/XOM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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		I	,						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
48	8 WY	38.13		27190101507					N/A

```
489
     WYNN
            66.09
                             7619687010
                                                            N/A
490
     XEL
            75.51
                            40950331405
                                                            N/A
491
     XLNX 201.02
                            48917886684
                                                            N/A
492
      MOX
           98.70
                           427779660856
                                                            N/A
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[493 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/XRAY/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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			_	_					
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
489	9 WYNN	66.09		7619687010					N/A
490) XEL	75.51		40950331405					N/A
491	l XLNX	201.02		48917886684					N/A
492	2 XOM	98.70		427779660856					N/A
493	3 XRAY	37.94		8053911531					N/A

[494 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/XRX/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	TICKEL	Price	Market	Capitalization	Number	OI	Shares	LO	виу
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
490	XEL	75.51		40950331405					N/A
491	XLNX	201.02		48917886684					N/A
492	MOX	98.70		427779660856					N/A

```
493 XRAY 37.94 8053911531 N/A
494 XRX 17.88 2780980644 N/A
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[495 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/XYL/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Οİ	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
491	XLNX	201.02		48917886684					N/A
492	MOX	98.70		427779660856					N/A
493	XRAY	37.94		8053911531					N/A
494	XRX	17.88		2780980644					N/A
495	XYL	96.52		17175513567					N/A

[496 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/YUM/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
492	MOX	98.70		427779660856					N/A
493	XRAY	37.94		8053911531					N/A
494	XRX	17.88		2780980644					N/A
495	XYL	96.52		17175513567					N/A

496 YUM 124.68 35872443547 N/A

[497 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ZBH/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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	-		-						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
493	XRAY	37.94		8053911531					N/A
494	XRX	17.88		2780980644					N/A
495	XYL	96.52		17175513567					N/A
496	YUM	124.68		35872443547					N/A
497	ZBH	115.05		23309006292					N/A

[498 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ZBRA/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 349350, 'calculationPrice': 'close', 'change': 13.64, 'changePercent': 0.03952, 'close': 359.22, 'closeSource': 'oiifalfc', 'closeTime': 1690908313011, 'company Name': 'Zebra Technologies Corp. - Class A', 'currency': 'USD', 'delayedPrice': 361.88, 'd elayedPriceTime': 1683943106499, 'extendedChange': 0.92, 'extendedChangePercent': 0.0026, 'extendedPrice': 367.2, 'extendedPriceTime': 1686937997086, 'high': 359.61, 'highSource': 'pleec yn15udteridea im', 'highTime': 1684885803287, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidPrice': None, 'iexBidSize': None, 'iexClose': 360.99, 'iexCloseTime': 168770 5000930, 'iexLastUpdated': None, 'iexMarketPercent': None, 'iexOpen': 356.13, 'iexOpenTim e': 1715943946101, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 1661369285592, 'latestPrice': 365.99, 'latestSource': 'Close', 'latestTi me': 'July 29, 2022', 'latestUpdate': 1666710705875, 'latestVolume': 469135, 'low': 345.8 9, 'lowSource': 'delmednaecureti 5y1 ip', 'lowTime': 1713636183797, 'marketCap': 19187118 594, 'oddLotDelayedPrice': 369.73, 'oddLotDelayedPriceTime': 1728342898311, 'open': 351.3 9, 'openTime': 1695190902828, 'openSource': 'clioffia', 'peRatio': 24.44, 'previousClose': 355.4, 'previousVolume': 331306, 'primaryExchange': 'ASAQND', 'symbol': 'ZBRA', 'volume': 469859, 'week52High': 618, 'week52Low': 290.04, 'ytdChange': -0.37635058717225983, 'isUSM arketOpen': False}

	I	,							
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	A	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
494	XRX	17.88		2780980644					N/A
495	XYL	96.52		17175513567					N/A
496	YUM	124.68		35872443547					N/A
497	ZBH	115.05		23309006292					N/A

```
498 ZBRA 365.99 19187118594 N/A
```

[499 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ZION/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

{'avgTotalVolume': 1449763, 'calculationPrice': 'close', 'change': 1.08, 'changePercent': 0.0207, 'close': 56.36, 'closeSource': 'iafciofl', 'closeTime': 1727020310369, 'companyNa me': 'Zions Bancorporation N.A', 'currency': 'USD', 'delayedPrice': 56.02, 'delayedPriceTi me': 1690738233476, 'extendedChange': 0.001, 'extendedChangePercent': 2e-05, 'extendedPric e': 56.948, 'extendedPriceTime': 1718630914589, 'high': 56.36, 'highSource': ' eru 5ieelyd nlea idpcmt', 'highTime': 1733814617210, 'iexAskPrice': None, 'iexAskSize': None, 'iexBidP rice': None, 'iexBidSize': None, 'iexClose': 54.8, 'iexCloseTime': 1720698929825, 'iexLast Updated': None, 'iexMarketPercent': None, 'iexOpen': 55.08, 'iexOpenTime': 1660210671607, 'iexRealtimePrice': None, 'iexRealtimeSize': None, 'iexVolume': None, 'lastTradeTime': 16 96294352601, 'latestPrice': 54.93, 'latestSource': 'Close', 'latestTime': 'July 29, 2022', 'latestUpdate': 1740807066925, 'latestVolume': 1784725, 'low': 54.5, 'lowSource': 'ay rit dcpmeuld e5e neil', 'lowTime': 1716022422542, 'marketCap': 8411108253, 'oddLotDelayedPric e': 54.99, 'oddLotDelayedPriceTime': 1681655826473, 'open': 54.5, 'openTime': 167161242043 6, 'openSource': 'lfaiicof', 'peRatio': 5.87, 'previousClose': 54.39, 'previousVolume': 15 21186, 'primaryExchange': 'ADAQNS', 'symbol': 'ZION', 'volume': 1744762, 'week52High': 78. 62, 'week52Low': 49.48, 'ytdChange': -0.11981908823520059, 'isUSMarketOpen': False}

Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
A	134.80		40650801779					N/A
AAL	13.86		9003151972					N/A
AAP	199.95		11784743480					N/A
AAPL	170.63		2682163395015					N/A
ABBV	143.55		257378286828					N/A
XYL	96.52		17175513567					N/A
YUM	124.68		35872443547					N/A
ZBH	115.05		23309006292					N/A
ZBRA	365.99		19187118594					N/A
ZION	54.93		8411108253					N/A
	A AAL AAP AAPL ABBV XYL YUM ZBH ZBRA	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 XYL 96.52 YUM 124.68 ZBH 115.05 ZBRA 365.99	A 134.80 AAL 13.86 AAP 199.95 AAPL 170.63 ABBV 143.55 XYL 96.52 YUM 124.68 ZBH 115.05 ZBRA 365.99	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 XYL 96.52 17175513567 YUM 124.68 35872443547 ZBH 115.05 23309006292 ZBRA 365.99 19187118594	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 XYL 96.52 17175513567 YUM 124.68 35872443547 ZBH 115.05 23309006292 ZBRA 365.99 19187118594	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 XYL 96.52 17175513567 YUM 124.68 35872443547 ZBH 115.05 23309006292 ZBRA 365.99 19187118594	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 XYL 96.52 17175513567 YUM 124.68 35872443547 ZBH 115.05 23309006292 ZBRA 365.99 19187118594	A 134.80 40650801779 AAL 13.86 9003151972 AAP 199.95 11784743480 AAPL 170.63 2682163395015 ABBV 143.55 257378286828 XYL 96.52 17175513567 YUM 124.68 35872443547 ZBH 115.05 23309006292 ZBRA 365.99 19187118594

[500 rows x 4 columns]

https://sandbox.iexapis.com/stable/stock/ZTS/quote?token=Tpk_059b97af715d417d9f49f50b51b1c448

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iboblial Recopell .			rarbc,						
	Ticker	Price	Market	Capitalization	Number	Of	Shares	to	Buy
0	А	134.80		40650801779					N/A
1	AAL	13.86		9003151972					N/A
2	AAP	199.95		11784743480					N/A
3	AAPL	170.63		2682163395015					N/A
4	ABBV	143.55		257378286828					N/A
496	5 YUM	124.68		35872443547					N/A
49	7 ZBH	115.05		23309006292					N/A
498	3 ZBRA	365.99		19187118594					N/A
499	9 ZION	54.93		8411108253					N/A
500) ZTS	189.10		88402798017					N/A

```
[501 rows x 4 columns]
```

Out[24]:

```
In [24]: sp_dataframe
```

	Ticker	Price	Market Capitalization	Number Of Shares to Buy
0	А	134.80	40650801779	N/A
1	AAL	13.86	9003151972	N/A
2	AAP	199.95	11784743480	N/A
3	AAPL	170.63	2682163395015	N/A
4	ABBV	143.55	257378286828	N/A
•••				
496	YUM	124.68	35872443547	N/A
497	ZBH	115.05	23309006292	N/A
498	ZBRA	365.99	19187118594	N/A
499	ZION	54.93	8411108253	N/A
500	ZTS	189.10	88402798017	N/A

501 rows × 4 columns

Using Batch API Calls to Improve Performance

Batch API calls are one of the easiest ways to improve the performance of your code.

This is because HTTP requests are typically one of the slowest components of a script.

sp dataframe = pd.DataFrame(columns = my columns)

for symbol_string in symbol_strings:
print(symbol strings)

Also, API providers will often give you discounted rates for using batch API calls since they are easier for the API provider to respond to.

IEX Cloud limits their batch API calls to 100 tickers per request. Still, this reduces the number of API calls we'll make in this section from 500 to 5 - huge improvement! In this section, we'll split our list of stocks into groups of 100 and then make a batch API call for each group.

```
In [25]: # Function sourced from
    # https://stackoverflow.com/questions/312443/how-do-you-split-a-list-into-evenly-sized-child
    def chunks(lst, n):
        """Yield successive n-sized chunks from lst."""
        for i in range(0, len(lst), n):
            yield lst[i:i + n]
In [26]: symbol_groups = list(chunks(stocks['Ticker'], 100))
symbol_strings = []
for i in range(0, len(symbol_groups)):
symbol_strings.append(','.join(symbol_groups[i]))
print(symbol_strings[i])
```

A, AAL, AAP, AAPL, ABBV, ABC, ABMD, ABT, ACN, ADBE, ADI, ADM, ADP, ADSK, AEE, AEP, AES, AFL, AIG, AIV, AIZ, AJ G, AKAM, ALB, ALGN, ALK, ALL, ALLE, ALXN, AMAT, AMCR, AMD, AME, AMGN, AMP, AMT, AMZN, ANET, ANSS, ANTM, AON, A OS, APA, APD, APH, APTV, ARE, ATO, ATVI, AVB, AVGO, AVY, AWK, AXP, AZO, BA, BAC, BAX, BBY, BDX, BEN, BF. B, BII B, BIO, BK, BKNG, BKR, BLK, BLL, BMY, BR, BRK. B, BSX, BWA, BXP, C, CAG, CAH, CARR, CAT, CB, CBOE, CBRE, CCI, CC L, CDNS, CDW, CE, CERN, CF, CFG, CHD, CHRW, CHTR, CI, CINF, CL, CLX, CMA, CMCSA

CME, CMG, CMI, CMS, CNC, CNP, COF, COG, COO, COP, COST, COTY, CPB, CPRT, CRM, CSCO, CSX, CTAS, CTL, CTSH, CTV A, CTXS, CVS, CVX, CXO, D, DAL, DD, DE, DFS, DG, DGX, DHI, DHR, DIS, DISCK, DISH, DLR, DLTR, DOV, DOW, DPZ, DRE, DRI, DTE, DUK, DVA, DVN, DXC, DXCM, EA, EBAY, ECL, ED, EFX, EIX, EL, EMN, EMR, EOG, EQIX, EQR, ES, ESS, ETFC, ET N, ETR, EVRG, EW, EXC, EXPD, EXPE, EXR, F, FANG, FAST, FB, FBHS, FCX, FDX, FE, FFIV, FIS, FISV, FITB, FLIR, FL S, FLT, FMC, FOX, FOXA, FRC, FRT, FTI, FTNT, FTV, GD, GE, GILD, GIS

GL, GLW, GM, GOOG, GOOGL, GPC, GPN, GPS, GRMN, GS, GWW, HAL, HAS, HBAN, HBI, HCA, HD, HES, HIG, HII, HLT, HOLX, HON, HPE, HPQ, HRB, HRL, HSIC, HST, HSY, HUM, HWM, IBM, ICE, IDXX, IEX, IFF, ILMN, INCY, INFO, INTC, INTU, IP, IPG, IPGP, IQV, IR, IRM, ISRG, IT, ITW, IVZ, J, JBHT, JCI, JKHY, JNJ, JNPR, JPM, K, KEY, KEYS, KHC, KIM, KLAC, KMB, KMI, KMX, KO, KR, KSS, KSU, L, LB, LDOS, LEG, LEN, LH, LHX, LIN, LKQ, LLY, LMT, LNC, LNT, LOW, LRCX, LUV, LV S, LW, LYB, LYV, MA, MAA, MAR, MAS, MCD, MCHP, MCK, MCO

MDLZ, MDT, MET, MGM, MHK, MKC, MKTX, MLM, MMC, MMM, MNST, MO, MOS, MPC, MRK, MRO, MS, MSCI, MSFT, MSI, MTB, MTD, MU, MXIM, MYL, NBL, NCLH, NDAQ, NEE, NEM, NFLX, NI, NKE, NLOK, NLSN, NOC, NOV, NOW, NRG, NSC, NTAP, NTRS, NUE, NVDA, NVR, NWL, NWS, NWSA, O, ODFL, OKE, OMC, ORCL, ORLY, OTIS, OXY, PAYC, PAYX, PBCT, PCAR, PEAK, PEG, PEP, PFG, PG, PGR, PH, PHM, PKG, PKI, PLD, PM, PNC, PNR, PNW, PPG, PPL, PRGO, PRU, PSA, PSX, PVH, PWR, PXD, PYPL, QCOM, QRVO, RCL, RE, REG, REGN, RF, RHI, RJF, RL, RMD, ROK, ROL, ROP

ROST, RSG, RTX, SBAC, SBUX, SCHW, SEE, SHW, SIVB, SJM, SLB, SLG, SNA, SNPS, SO, SPG, SPGI, SRE, STE, STX, STZ, SWK, SWKS, SYF, SYK, SYY, T, TAP, TDG, TDY, TEL, TFC, TFX, TGT, TIF, TJX, TMO, TMUS, TPR, TROW, TRV, TSCO, TSN, TT, TTWO, TWTR, TXN, TXT, TYL, UA, UAA, UAL, UDR, UHS, ULTA, UNH, UNM, UNP, UPS, URI, USB, V, VAR, VFC, VLO, VMC, VNO, VRSK, VRSN, VRTX, VTR, VZ, WAB, WAT, WBA, WDC, WEC, WELL, WFC, WHR, WM, WMB, WMT, WRB, WRK, WST, WU, WY, WYNN, XEL, XLNX, XOM, XRAY, XRX, XYL, YUM, ZBH, ZBRA, ZION

ZTS

None

None

None

None

None None

Out[26]:

	Ticker	Price	Market Capitalization	Number Of Shares to Buy
0	А	136.50	40555037938	N/A
1	AAL	14.18	9212400679	N/A
2	AAP	200.92	12170144823	N/A
3	AAPL	165.66	2734533511651	N/A
4	ABBV	144.61	254999927381	N/A
•••				
496	YUM	124.26	36521642449	N/A
497	ZBH	112.66	23220093225	N/A

		Ticker	Price	Market Capitalization	Number Of Shares to Buy
4	98	ZBRA	373.48	19084114002	N/A
4	99	ZION	56.66	8601322943	N/A
5	00	ZTS	186.58	86242858760	N/A

```
In [ ]:
```

Calculating the Number of Shares to Buy

As you can see in the DataFrame above, we stil haven't calculated the number of shares of each stock to buy.

We'll do that next.

501 rows × 4 columns

```
In [27]: portfolio_size = input("Enter the value of your portfolio:")

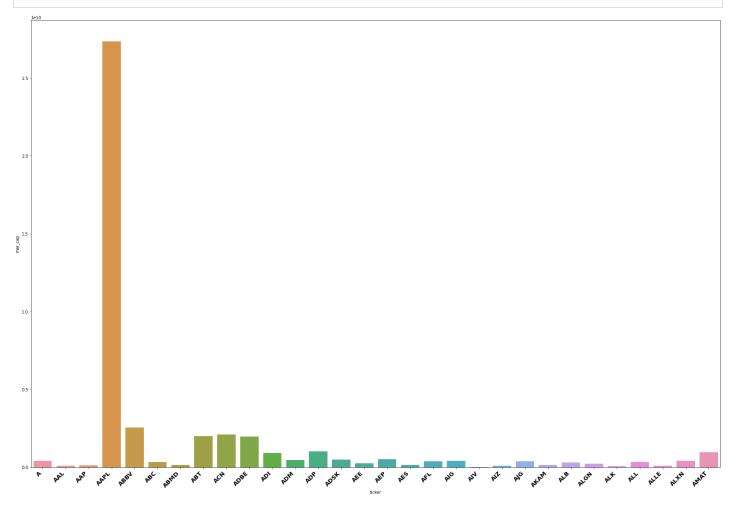
try:
    val = float(portfolio_size)
except ValueError:
    print("That's not a number! \n Try again:")
    portfolio_size = input("Enter the value of your portfolio:")
```

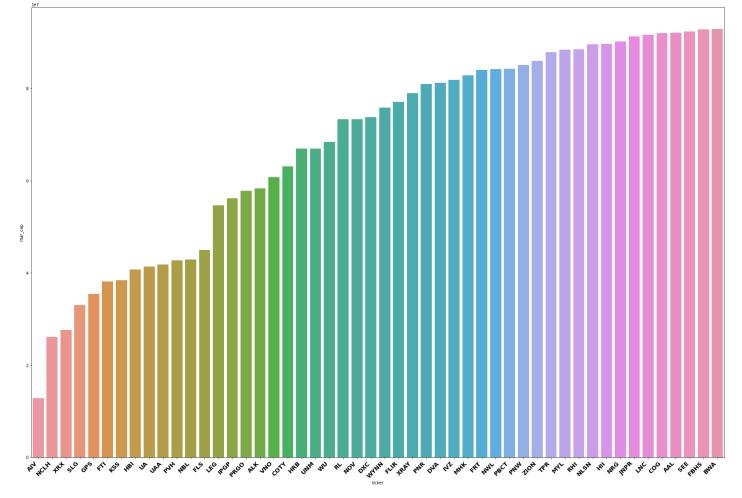
Enter the value of your portfolio:1000000

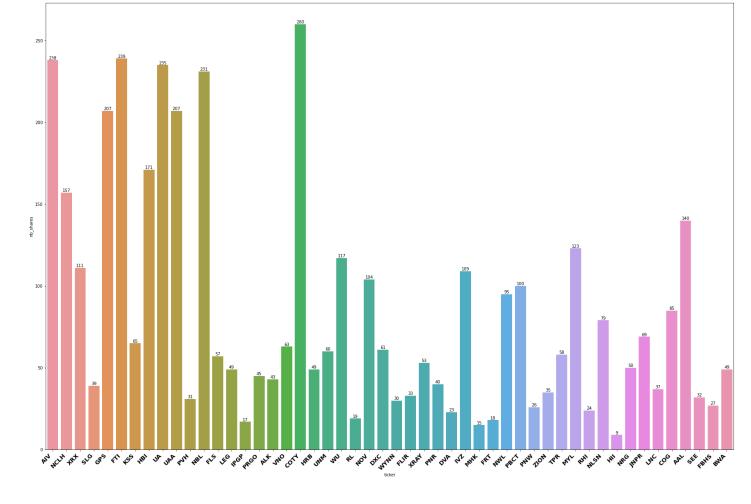
501 1996.007984031936

Out[28]:		Ticker	Price	Market Capitalization	Number Of Shares to Buy
	0	А	136.50	40555037938	14
	1	AAL	14.18	9212400679	140
	2	AAP	200.92	12170144823	9
	3	AAPL	165.66	2734533511651	12
	4	ABBV	144.61	254999927381	13
	•••				
	496	YUM	124.26	36521642449	16
	497	ZBH	112.66	23220093225	17
	498	ZBRA	373.48	19084114002	5
	499	ZION	56.66	8601322943	35
	500	ZTS	186.58	86242858760	10

```
import seaborn as sns
sp_dataFrame_graph=pd.DataFrame()
sp_dataFrame_graph['ticker']=sp_dataframe["Ticker"]
sp_dataFrame_graph['mar_cap']=sp_dataframe["Market Capitalization"].astype(float)/100
sp_dataFrame_graph['nb_shares']=sp_dataframe["Number Of Shares to Buy"].astype(int)
```







Formatting Our Excel Output

We will be using the XlsxWriter library for Python to create nicely-formatted Excel files.

XlsxWriter is an excellent package and offers tons of customization. However, the tradeoff for this is that the library can seem very complicated to new users. Accordingly, this section will be fairly long because I want to do a good job of explaining how XlsxWriter works.

Initializing our XIsxWriter Object

```
In [33]: writer = pd.ExcelWriter(r'C:\Users\user\Downloads\recommended_trades.xlsx', engine='xlsxwi
sp_dataframe.to_excel(writer, sheet_name='Recommended Trades', index = False)
```

Creating the Formats We'll Need For Our .xlsx File

Formats include colors, fonts, and also symbols like % and \$. We'll need four main formats for our Excel document:

- String format for tickers
- \$XX.XX format for stock prices
- \$XX,XXX format for market capitalization
- Integer format for the number of shares to purchase

```
In [34]: background_color = '#0a0a23'
font_color = '#ffffff'
```

Applying the Formats to the Columns of Our .xlsx File

We can use the set_column method applied to the writer.sheets['Recommended Trades'] object to apply formats to specific columns of our spreadsheets.

Here's an example:

```
In [35]: # writer.sheets['Recommended Trades'].write('A1', 'Ticker', string_format)
# writer.sheets['Recommended Trades'].write('B1', 'Price', string_format)
# writer.sheets['Recommended Trades'].write('C1', 'Market Capitalization', string_format)
# writer.sheets['Recommended Trades'].write('D1', 'Number Of Shares to Buy', string_format)
# writer.sheets['Recommended Trades'].set_column('A:A', 20, string_format)
# writer.sheets['Recommended Trades'].set_column('B:B', 20, dollar_format)
# writer.sheets['Recommended Trades'].set_column('C:C', 20, dollar_format)
# writer.sheets['Recommended Trades'].set_column('D:D', 20, integer_format)
```

This code works, but it violates the software principle of "Don't Repeat Yourself".

Let's simplify this by putting it in 2 loops:

```
for column in column_formats.keys():
    writer.sheets['Recommended Trades'].set_column(f'{column}:{column}', 20, column_format
    writer.sheets['Recommended Trades'].write(f'{column}1', column_formats[column][0], still
```

Saving Our Excel Output

Saving our Excel file is very easy: