

lserverini Repository/Data_200_Lab_02 % python stocks.py
Lab 2 program - Luca Severini - 008879723

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program

Enter Menu Option: 1

Manage Stocks ---

1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks

Enter Menu Option: 1

Add Stock ---

Enter stock symbol [leave blank to exit] : aapl
Enter company name for AAPL: Apple
Enter price [enter 0 to get it from Yahoo! Finance]: 0
Getting AAPL price from Yahoo! Finance...
Retrieved price for AAPL: 197.35
Enter number of shares (0 if none): 100
Enter date (MM/DD/YY) [leave blank for today]:
Stock created:
AAPL (Apple) - Price: 197.35, Amount: 100.0
Stock AAPL already present
Enter stock symbol [leave blank to exit] :

Manage Stocks ---

1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks

Enter Menu Option: 2

Update Shares ---

1 - Buy Shares
2 - Sell Shares
3 - Update Price
0 - Exit Update Shares

Enter Menu Option: 1

Buy Shares ---

Stock list: [AAPL, AMZN, MSFT]
Which stock do you want to buy? [leave blank to exit] : aapl
How many shares do you want to buy? (0 to cancel) : 200
Stock 'AAPL' transaction added

Update Shares ---

1 - Buy Shares
2 - Sell Shares
3 - Update Price
0 - Exit Update Shares

Enter Menu Option: 0

Manage Stocks ---

1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks

Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	180.00	1700.0	306000.00
		DATE	PRICE	VOLUME
		04/10/25	190.00	500.0
		05/05/25	100.00	1000.0
		05/07/25	180.00	200.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0

Manage Stocks ---

1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks

Enter Menu Option: 0

Returning to Main Menu

Stock Analyzer ---

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Manage Stocks ---

1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks

0 - Exit Manage Stocks
Enter Menu Option: 2

Update Shares ---
1 - Buy Shares
2 - Sell Shares
3 - Update Price
0 - Exit Update Shares
Enter Menu Option: 2

Sell Shares ---
Stock list: [AAPL, AMZN, MSFT]
Which stock do you want to sell? [leave blank to exit] : 1000
Stock '1000' not found.

Update Shares ---
1 - Buy Shares
2 - Sell Shares
3 - Update Price
0 - Exit Update Shares
Enter Menu Option: 2

Sell Shares ---
Stock list: [AAPL, AMZN, MSFT]
Which stock do you want to sell? [leave blank to exit] : aapl
Stock AAPL amount: 1700.0
How many shares do you want to sell? (0 to cancel) : 1000
Stock 'AAPL' transactions added

Update Shares ---
1 - Buy Shares
2 - Sell Shares
3 - Update Price
0 - Exit Update Shares
Enter Menu Option: 0

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 0
Returning to Main Menu

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
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0 - Exit Program
Enter Menu Option: 1

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	180.00	700.0	126000.00
		DATE	PRICE	VOLUME
		04/10/25	190.00	500.0
		05/05/25	100.00	1000.0
		05/07/25	180.00	200.0
		05/07/25	180.00	-1000.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 0
Returning to Main Menu

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 1

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 2

Update Shares ---
1 - Buy Shares
2 - Sell Shares

3 - Update Price
0 - Exit Update Shares
Enter Menu Option: 3

Update Price ---
Stock list: [AAPL, AMZN, MSFT]
Which stock do you want to update price for? [leave blank to exit] : aapl
Enter new price (0 to fetch from web, blank to cancel) : 0
Getting AAPL price from Yahoo! Finance...
Fetched price for 'AAPL': 196.95
Stock 'AAPL' price updated to: 196.95

Update Shares ---
1 - Buy Shares
2 - Sell Shares
3 - Update Price
0 - Exit Update Shares
Enter Menu Option: 0

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 0
Returning to Main Menu

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 1

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	196.95	700.0	137865.00
		DATE	PRICE	VOLUME
		04/10/25	190.00	500.0
		05/05/25	100.00	1000.0
		05/07/25	180.00	200.0
		05/07/25	180.00	-1000.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 3

Delete Stock ---
Stock list: [AAPL, AMZN, MSFT]
Enter stock symbol to delete [leave blank to exit] :
Delete canceled.

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 1

Add Stock ---
Enter stock symbol [leave blank to exit] : googl
Enter company name for GOOGL: Google
Enter price [enter 0 to get it from Yahoo! Finance]: 150
Enter number of shares (0 if none): 0
Stock created:
GOOGL (Google) - Price: 150.0, Amount: 0.0
Stock GOOGL added
Enter stock symbol [leave blank to exit] :

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	196.95	700.0	137865.00
		DATE	PRICE	VOLUME
		04/10/25	190.00	500.0

		05/05/25	100.00	1000.0
		05/07/25	180.00	200.0
		05/07/25	180.00	-1000.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
GOOGL	Google	150.00	0.0	0.00
		No transactions.		
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0

Manage Stocks ---
 1 - Add Stock
 2 - Update Shares
 3 - Delete Stock
 4 - List Stocks
 0 - Exit Manage Stocks
 Enter Menu Option: 3

Delete Stock ---
 Stock list: [AAPL, AMZN, GOOGL, MSFT]
 Enter stock symbol to delete [leave blank to exit] : googl
 Stock GOOGL deleted

Manage Stocks ---
 1 - Add Stock
 2 - Update Shares
 3 - Delete Stock
 4 - List Stocks
 0 - Exit Manage Stocks
 Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	196.95	700.0	137865.00
		DATE	PRICE	VOLUME
		04/10/25	190.00	500.0
		05/05/25	100.00	1000.0
		05/07/25	180.00	200.0
		05/07/25	180.00	-1000.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0

Manage Stocks ---
 1 - Add Stock
 2 - Update Shares
 3 - Delete Stock
 4 - List Stocks
 0 - Exit Manage Stocks
 Enter Menu Option: 0
 Returning to Main Menu

Stock Analyzer ---
 1 - Manage Stocks (Add, Update, Delete, List)
 2 - Add Daily Stock Data (Date, Price, Volume)
 3 - Stock Report
 4 - Stock Chart
 5 - Manage Data (Save, Load, Retrieve)
 0 - Exit Program
 Enter Menu Option: 2

Add Daily Stock Data ---
 Stock list: [AAPL, AMZN, MSFT]
 Which stock do you want to use? [leave blank to exit] : aapl
 Ready to add data for: AAPL
 Enter Data Separated by Commas
 Example: 8/28/20,47.85,10550
 Enter Date,Price,Volume [leave blank to exit]: 05/05/25, 200, 1000
 Stock 'AAPL' transactions added
 Enter Date,Price,Volume [leave blank to exit]: 15/03/25 180, 500
 Invalid format. Use: MM/DD/YY,price,volume
 Enter Date,Price,Volume [leave blank to exit]: 15/03/25, 180, 500
 Invalid format. Use: MM/DD/YY,price,volume
 Enter Date,Price,Volume [leave blank to exit]: 03/15/25, 180, 500
 Stock 'AAPL' transactions added
 Enter Date,Price,Volume [leave blank to exit]:

Stock Analyzer ---
 1 - Manage Stocks (Add, Update, Delete, List)
 2 - Add Daily Stock Data (Date, Price, Volume)
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 5 - Manage Data (Save, Load, Retrieve)
 0 - Exit Program
 Enter Menu Option: 0
 Goodbye
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 Lab 2 program - Luca Severini - 008879723

Stock Analyzer ---
 1 - Manage Stocks (Add, Update, Delete, List)
 2 - Add Daily Stock Data (Date, Price, Volume)
 3 - Stock Report
 4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 1

Manage Stocks ---

1 - Add Stock

2 - Update Shares

3 - Delete Stock

4 - List Stocks

0 - Exit Manage Stocks

Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	196.95	2200.0	433290.00
		DATE	PRICE	VOLUME
		03/15/25	180.00	500.0
		04/10/25	190.00	500.0
		05/05/25	100.00	1000.0
		05/05/25	200.00	1000.0
		05/07/25	180.00	200.0
		05/07/25	180.00	-1000.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0

Manage Stocks ---

1 - Add Stock

2 - Update Shares

3 - Delete Stock

4 - List Stocks

0 - Exit Manage Stocks

Enter Menu Option: 0

Returning to Main Menu

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 3

Stock Report ---

Stock list: [AAPL, AMZN, MSFT]

For which stock do you want the report? [leave blank to exit] : aapl

Report for: AAPL Apple Inc.

Shares: 2200.0

Price: \$196.95

Transactions: 6

DATE	PRICE	VOLUME
03/15/25	180.00	500.0
04/10/25	190.00	500.0
05/05/25	100.00	1000.0
05/05/25	200.00	1000.0
05/07/25	180.00	200.0
05/07/25	180.00	-1000.0

- Report Complete -

Stock list: [AAPL, AMZN, MSFT]

For which stock do you want the report? [leave blank to exit] : amzn

Report for: AMZN Amazon.com, Inc.

Shares: 300.0

Price: \$0.0

Transactions: 1

DATE	PRICE	VOLUME
05/04/25	150.00	300.0

- Report Complete -

Stock list: [AAPL, AMZN, MSFT]

For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 4

Stock Chart ---

Stock list: [AAPL, AMZN, MSFT]

For which stock do you want the report? [leave blank to exit] : aapl

Plotting chart for stock 'AAPL'...

Stock list: [AAPL, AMZN, MSFT]

For which stock do you want the report? [leave blank to exit] : amzn

Plotting chart for stock 'AMZN'...

Stock list: [AAPL, AMZN, MSFT]

For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 5

Manage Data ---

1 - Save to Database

2 - Load from Database

3 - Retrieve from Web

4 - Import from CSV File

5 - Export to CSV File

0 - Exit Manage Data

Enter Menu Option: 3

Retrieve Data from Web ---

Enter stock symbols separated by commas [leave blank to cancel] : TSLA, META, NVDA

Stock list: [META, NVDA, TSLA]

Fetching stock data (it can take a while or even fail - [Control-C to stop fetching data])

Fetching META stock data...

^CCould not find post-market price using selector: [data-testid='qsp-post-price']

Could not find post-market change using selector: [data-testid='qsp-post-price-change']

Could not find post-market change percent using selector: [data-testid='qsp-post-price-change-percent']

Fetching NVDA stock data...

^CCould not find post-market price using selector: [data-testid='qsp-post-price']

Could not find post-market change using selector: [data-testid='qsp-post-price-change']

Could not find post-market change percent using selector: [data-testid='qsp-post-price-change-percent']

Fetching TSLA stock data...

^CCould not find post-market price using selector: [data-testid='qsp-post-price']

Could not find post-market change using selector: [data-testid='qsp-post-price-change']

Could not find post-market change percent using selector: [data-testid='qsp-post-price-change-percent']

Stock META added

Stock NVDA added

Stock TSLA added

Manage Data ---

1 - Save to Database

2 - Load from Database

3 - Retrieve from Web

4 - Import from CSV File

5 - Export to CSV File

0 - Exit Manage Data

Enter Menu Option: 3

Retrieve Data from Web ---

Enter stock symbols separated by commas [leave blank to cancel] : AAPL, MSFT

Stock list: [AAPL, MSFT]

Fetching stock data (it can take a while or even fail - [Control-C to stop fetching data])

Fetching AAPL stock data...

Could not find post-market price using selector: [data-testid='qsp-post-price']

^CCould not find post-market change using selector: [data-testid='qsp-post-price-change']

Could not find post-market change percent using selector: [data-testid='qsp-post-price-change-percent']

Fetching MSFT stock data...

^CCould not find post-market price using selector: [data-testid='qsp-post-price']

Could not find post-market change using selector: [data-testid='qsp-post-price-change']

Could not find post-market change percent using selector: [data-testid='qsp-post-price-change-percent']

Stock AAPL already present

Stock MSFT already present

Manage Data ---

1 - Save to Database

2 - Load from Database

3 - Retrieve from Web

4 - Import from CSV File

5 - Export to CSV File

0 - Exit Manage Data

Enter Menu Option: 0

Returning to Main Menu

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 1

Manage Stocks ---

1 - Add Stock

2 - Update Shares

3 - Delete Stock

4 - List Stocks

0 - Exit Manage Stocks

Enter Menu Option: 4

List Stocks ---

SYMBOL	NAME	PRICE	SHARES	VALUE
AAPL	Apple Inc.	196.95	2200.0	433290.00
		DATE	PRICE	VOLUME
		03/15/25	180.00	500.0
		04/10/25	190.00	500.0
		05/05/25	100.00	1000.0
		05/05/25	200.00	1000.0
		05/07/25	180.00	200.0
		05/07/25	180.00	-1000.0
AMZN	Amazon.com, Inc.	0.00	300.0	0.00
		DATE	PRICE	VOLUME
		05/04/25	150.00	300.0
META	Meta Platforms, Inc.	591.47	0.0	0.00
		No transactions.		
MSFT	Microsoft	200.00	2100.0	420000.00
		DATE	PRICE	VOLUME
		05/07/25	200.00	100.0
		05/07/25	200.00	2000.0
NVDA	NVIDIA Corporation	113.14	0.0	0.00
		No transactions.		

TSLA Tesla, Inc. 273.60 0.0 0.00
No transactions.

Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: 0
Returning to Main Menu

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 5

Manage Data ---
1 - Save to Database
2 - Load from Database
3 - Retrieve from Web
4 - Import from CSV File
5 - Export to CSV File
0 - Exit Manage Data
Enter Menu Option: 5

Export to CSV file ---
Enter CSV file name to export [blank to cancel]: Export.csv
Data exported to CSV Export.csv

Manage Data ---
1 - Save to Database
2 - Load from Database
3 - Retrieve from Web
4 - Import from CSV File
5 - Export to CSV File
0 - Exit Manage Data
Enter Menu Option: 0
Returning to Main Menu

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 0
Goodbye
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Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
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5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 3

Stock Report ---
Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] : aapl

Report for: AAPL Apple Inc.
Shares: 2200.0
Price: \$196.95
Transactions: 6

DATE	PRICE	VOLUME
03/15/25	180.00	500.0
04/10/25	190.00	500.0
05/05/25	100.00	1000.0
05/05/25	200.00	1000.0
05/07/25	180.00	200.0
05/07/25	180.00	-1000.0

- Report Complete -

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] : amzn

Report for: AMZN Amazon.com, Inc.
Shares: 300.0
Price: \$0.0
Transactions: 1

DATE	PRICE	VOLUME
05/04/25	150.00	300.0

- Report Complete -

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---
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0 - Exit Program
Enter Menu Option: 4

Stock Chart ---
Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] : aapl
Plotting chart for stock 'AAPL'...

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Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] : amzn
Plotting chart for stock 'AMZN'...
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] : msft
Plotting chart for stock 'MSFT'...
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 2

Add Daily Stock Data ---
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
Which stock do you want to use? [leave blank to exit] : msft
Ready to add data for: MSFT
Enter Data Separated by Commas
Example: 8/28/20,47.85,10550
Enter Date,Price,Volume [leave blank to exit]: 04/10/25,200,500
Stock 'MSFT' transactions added
Enter Date,Price,Volume [leave blank to exit]:

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 4

Stock Chart ---
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] : amzn
Plotting chart for stock 'AMZN'...
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] : msft
Plotting chart for stock 'MSFT'...
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
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4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 3

Stock Report ---
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] : msft

Report for: MSFT Microsoft
Shares: 2600.0
Price: $200.0
Transactions: 3

```

DATE	PRICE	VOLUME
05/07/25	200.00	100.0
05/07/25	200.00	2000.0
04/10/25	200.00	500.0

```

- Report Complete -

Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 2

Add Daily Stock Data ---
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
Which stock do you want to use? [leave blank to exit] : 04/20/25, 220, 100
Stock '04/20/25, 220, 100' not found.

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 4

Stock Chart ---
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] : msft
Plotting chart for stock 'MSFT'...
Stock list: [ AAPL, AMZN, META, MSFT, NVDA, TSLA ]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Stock Report
4 - Stock Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: 3

```


Stock Report ---
Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] : msft

Report for: MSFT Microsoft

Shares: 2600.0

Price: \$200.0

Transactions: 3

DATE	PRICE	VOLUME
05/07/25	200.00	100.0
05/07/25	200.00	2000.0
04/10/25	200.00	500.0

- Report Complete -

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 2

Add Daily Stock Data ---

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]

Which stock do you want to use? [leave blank to exit] : msft

Ready to add data for: MSFT

Enter Data Separated by Commas

Example: 8/28/20,47.85,10550

Enter Date,Price,Volume [leave blank to exit]: 05/06/25, 180, 50

Stock 'MSFT' transactions added

Enter Date,Price,Volume [leave blank to exit]:

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 3

Stock Report ---

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]

For which stock do you want the report? [leave blank to exit] : msft

Report for: MSFT Microsoft

Shares: 2650.0

Price: \$200.0

Transactions: 4

DATE	PRICE	VOLUME
05/07/25	200.00	100.0
05/07/25	200.00	2000.0
04/10/25	200.00	500.0
05/06/25	180.00	50.0

- Report Complete -

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]
For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 4

Stock Chart ---

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]

For which stock do you want the report? [leave blank to exit] : msft

Plotting chart for stock 'MSFT'...

Stock list: [AAPL, AMZN, META, MSFT, NVDA, TSLA]

For which stock do you want the report? [leave blank to exit] :

Stock Analyzer ---

1 - Manage Stocks (Add, Update, Delete, List)

2 - Add Daily Stock Data (Date, Price, Volume)

3 - Stock Report

4 - Stock Chart

5 - Manage Data (Save, Load, Retrieve)

0 - Exit Program

Enter Menu Option: 0

Goodbye

lserverini Repository/Data_200_Lab_02 %

Figure 7

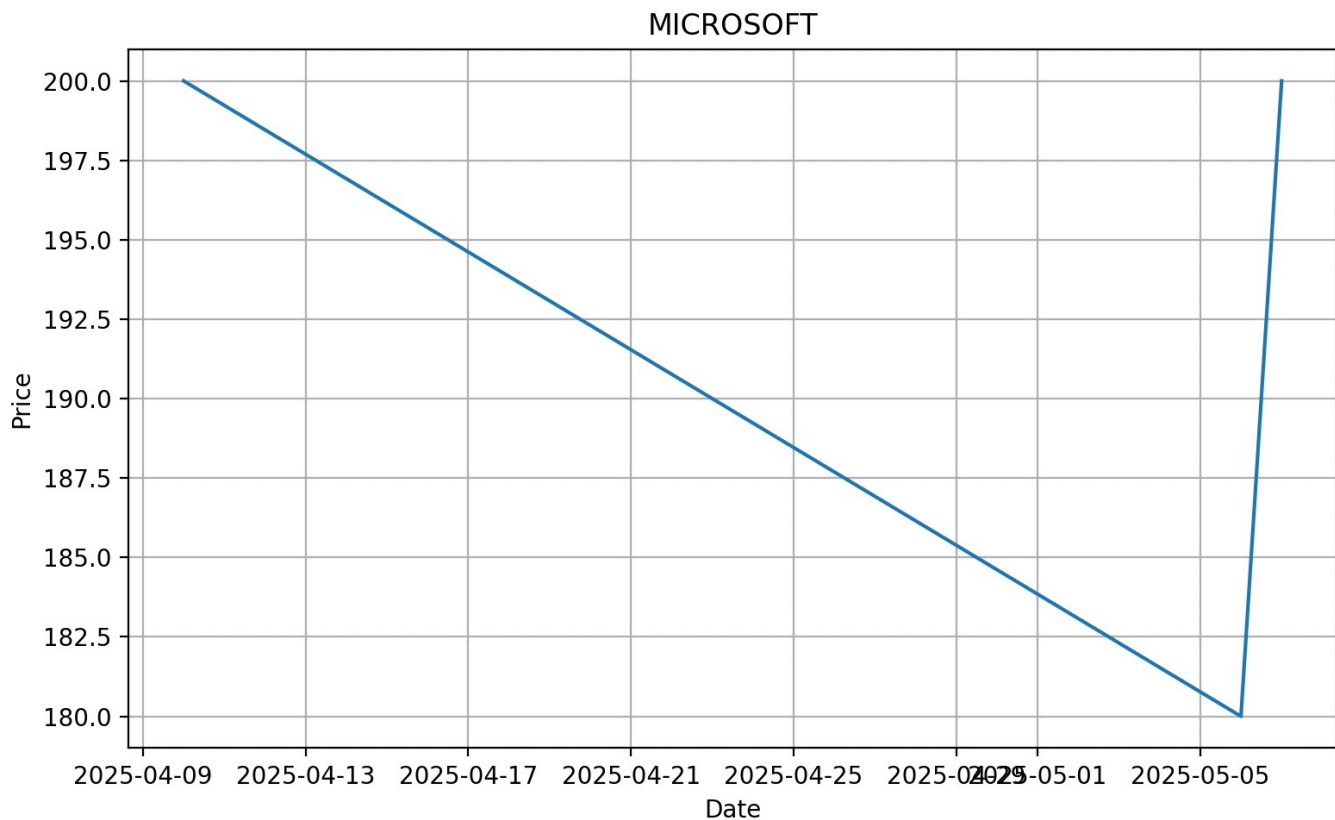


Figure 1

