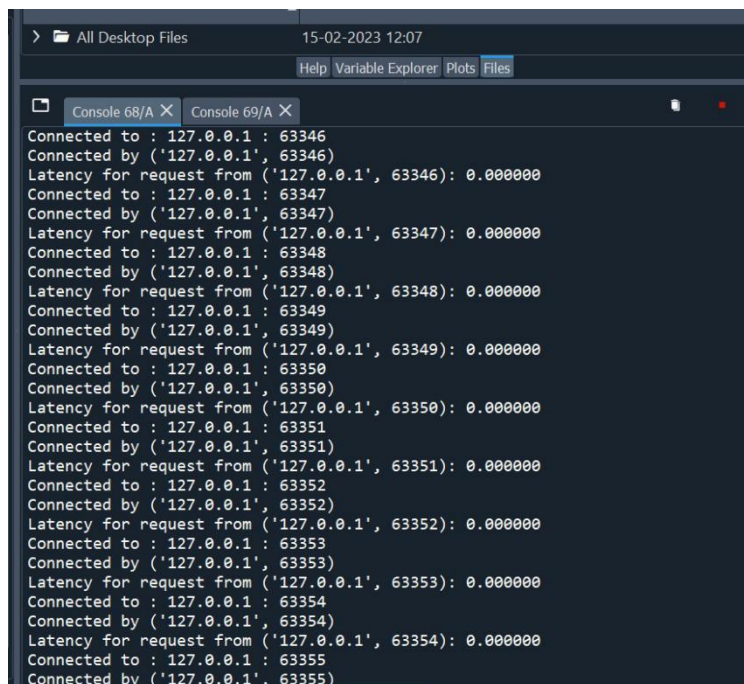


OUTPUT FILE

Part 1: Screenshot

This output is generated when one Client is connected to the Server.

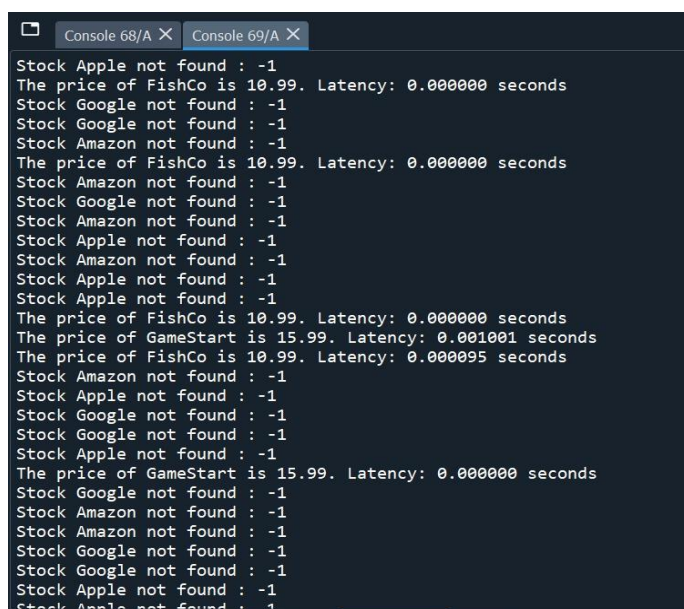
Client O/P:



A screenshot of a Jupyter Notebook interface. The top bar shows 'All Desktop Files' and the date '15-02-2023 12:07'. Below the top bar are tabs for 'Help', 'Variable Explorer', 'Plots', and 'Files'. The main area shows two console tabs: 'Console 68/A' and 'Console 69/A'. The 'Console 69/A' tab is active and displays the following output:

```
Connected to : 127.0.0.1 : 63346
Connected by ('127.0.0.1', 63346)
Latency for request from ('127.0.0.1', 63346): 0.000000
Connected to : 127.0.0.1 : 63347
Connected by ('127.0.0.1', 63347)
Latency for request from ('127.0.0.1', 63347): 0.000000
Connected to : 127.0.0.1 : 63348
Connected by ('127.0.0.1', 63348)
Latency for request from ('127.0.0.1', 63348): 0.000000
Connected to : 127.0.0.1 : 63349
Connected by ('127.0.0.1', 63349)
Latency for request from ('127.0.0.1', 63349): 0.000000
Connected to : 127.0.0.1 : 63350
Connected by ('127.0.0.1', 63350)
Latency for request from ('127.0.0.1', 63350): 0.000000
Connected to : 127.0.0.1 : 63351
Connected by ('127.0.0.1', 63351)
Latency for request from ('127.0.0.1', 63351): 0.000000
Connected to : 127.0.0.1 : 63352
Connected by ('127.0.0.1', 63352)
Latency for request from ('127.0.0.1', 63352): 0.000000
Connected to : 127.0.0.1 : 63353
Connected by ('127.0.0.1', 63353)
Latency for request from ('127.0.0.1', 63353): 0.000000
Connected to : 127.0.0.1 : 63354
Connected by ('127.0.0.1', 63354)
Latency for request from ('127.0.0.1', 63354): 0.000000
Connected to : 127.0.0.1 : 63355
Connected by ('127.0.0.1', 63355)
```

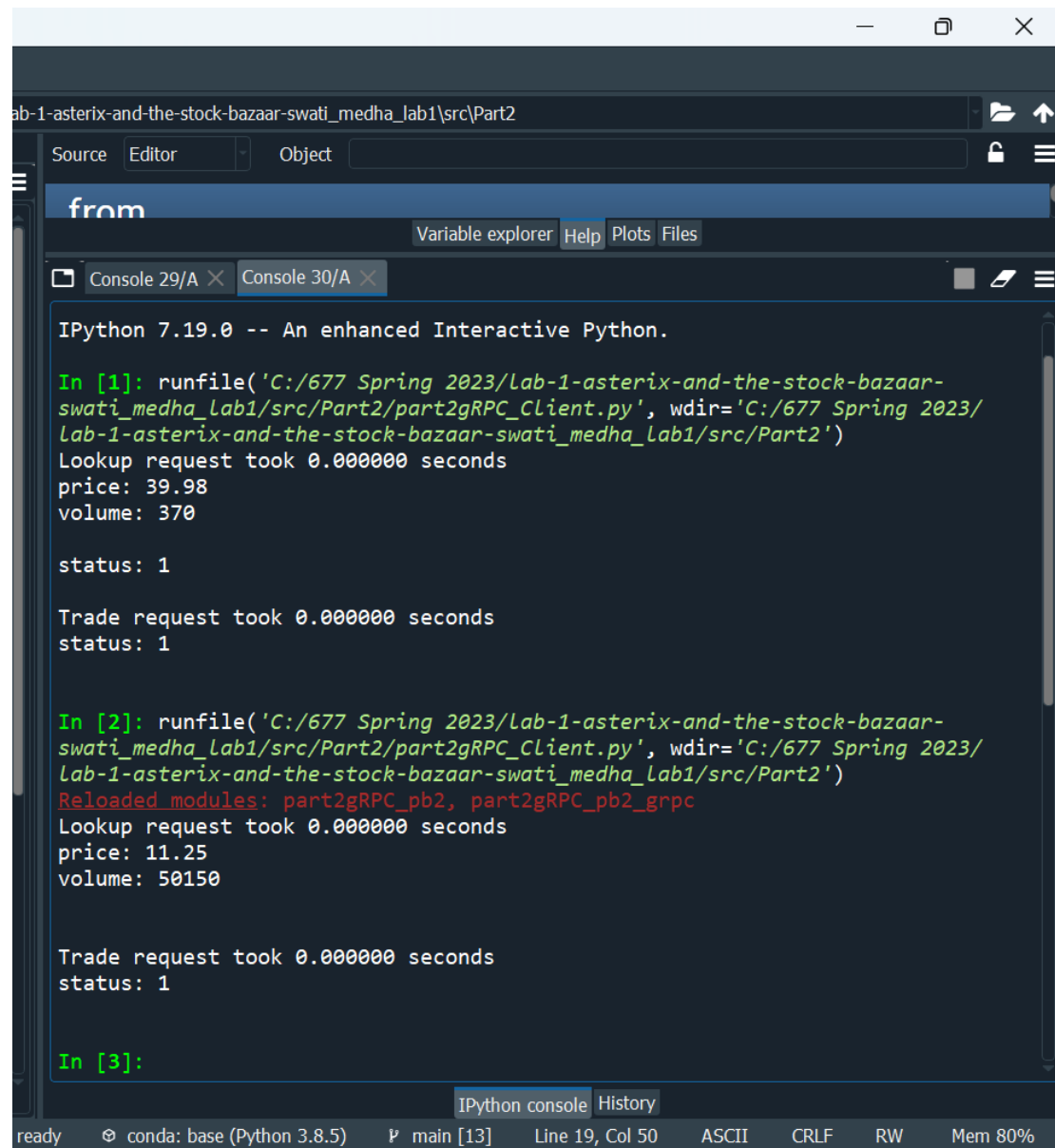
Server O/P:



A screenshot of a Jupyter Notebook interface. The top bar shows 'All Desktop Files' and the date '15-02-2023 12:07'. Below the top bar are tabs for 'Help', 'Variable Explorer', 'Plots', and 'Files'. The main area shows two console tabs: 'Console 68/A' and 'Console 69/A'. The 'Console 69/A' tab is active and displays the following output:

```
Stock Apple not found : -1
The price of FishCo is 10.99. Latency: 0.000000 seconds
Stock Google not found : -1
Stock Google not found : -1
Stock Amazon not found : -1
The price of FishCo is 10.99. Latency: 0.000000 seconds
Stock Amazon not found : -1
Stock Google not found : -1
Stock Amazon not found : -1
Stock Apple not found : -1
Stock Amazon not found : -1
Stock Apple not found : -1
The price of FishCo is 10.99. Latency: 0.000000 seconds
The price of GameStart is 15.99. Latency: 0.001001 seconds
The price of FishCo is 10.99. Latency: 0.000095 seconds
Stock Amazon not found : -1
Stock Apple not found : -1
Stock Google not found : -1
Stock Google not found : -1
Stock Apple not found : -1
The price of GameStart is 15.99. Latency: 0.000000 seconds
Stock Google not found : -1
Stock Amazon not found : -1
Stock Amazon not found : -1
Stock Google not found : -1
Stock Google not found : -1
Stock Apple not found : -1
Stock Apple not found : -1
```

Part 2: Screenshot



The screenshot shows a Jupyter Notebook window with a dark theme. The top bar indicates the file path: `lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1\src\Part2`. Below the file explorer, the 'Editor' tab is active, showing a code cell with the text `from`. The 'Console' tab is also open, displaying the output of two `runfile` commands. The first command, `In [1]: runfile('C:/677 Spring 2023/Lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1/src/Part2/part2gRPC_Client.py', wdir='C:/677 Spring 2023/Lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1/src/Part2')`, returns the following output:
Lookup request took 0.000000 seconds
price: 39.98
volume: 370

status: 1

Trade request took 0.000000 seconds
status: 1

The second command, `In [2]: runfile('C:/677 Spring 2023/Lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1/src/Part2/part2gRPC_Client.py', wdir='C:/677 Spring 2023/Lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1/src/Part2')`, returns the following output:
Reloaded modules: part2gRPC_pb2, part2gRPC_pb2_grpc
Lookup request took 0.000000 seconds
price: 11.25
volume: 50150

Trade request took 0.000000 seconds
status: 1

The third command, `In [3]:`, is currently empty. The bottom status bar shows 'ready', 'conda: base (Python 3.8.5)', 'main [13]', 'Line 19, Col 50', 'ASCII', 'CRLF', 'RW', and 'Mem 80%'.

```
IPython 7.19.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/677 Spring 2023/Lab-1-asterix-and-the-stock-bazaar-
swati_medha_lab1/src/Part2/part2gRPC_Client.py', wdir='C:/677 Spring 2023/
Lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1/src/Part2')
Lookup request took 0.000000 seconds
price: 39.98
volume: 370

status: 1

Trade request took 0.000000 seconds
status: 1

In [2]: runfile('C:/677 Spring 2023/Lab-1-asterix-and-the-stock-bazaar-
swati_medha_lab1/src/Part2/part2gRPC_Client.py', wdir='C:/677 Spring 2023/
Lab-1-asterix-and-the-stock-bazaar-swati_medha_lab1/src/Part2')
Reloaded modules: part2gRPC_pb2, part2gRPC_pb2_grpc
Lookup request took 0.000000 seconds
price: 11.25
volume: 50150

Trade request took 0.000000 seconds
status: 1

In [3]:
```

ready conda: base (Python 3.8.5) main [13] Line 19, Col 50 ASCII CRLF RW Mem 80%