

HW: Python Finance Info - Individual Homework

<https://pypi.python.org/pypi/yahoo-finance>

<https://github.com/RedSpiderMkV/FinanceMarketDataGrabber/tree/master/src>

<https://pypi.python.org/pypi/google-finance>

Description

The goal of this lab is to practice the usage of Python with networking programming. Perform the following:

- Setup your Python development environment
- Research to find a set of python API that you can use to retrieve financial data. (Hint: Google, Yahoo, etc.)
- Implement a Python program where it will take a stock symbol as input and output the following:
 - Current date and time
 - Full name of the company
 - Stock price
 - Value changes (+ for increase and - for decrease)
 - Percentage changes (+ for increase and - for decrease)
- Your program must handle any error situation (such as no network, invalid symbol, etc.)

Example

Input:

Please enter a symbol:

ADBE

Output:

Mon Oct 10 17:23:48 PDT 2016

Adobe Systems Incorporated (ADBE)

109.24 +0.60 (+0.55%)

Input:

Please enter a symbol:

<User can enter another symbol>

Grading

- Please send the full zip file with every files needed to run your lab to coolprofsinn@gmail.com for grading by beginning of next class. Please specific whether the files are for windows, linux or Mac. Include instruction on how to run and test the program.