

Submitted By: Abinethri Santhanam (Student id: 008634782)

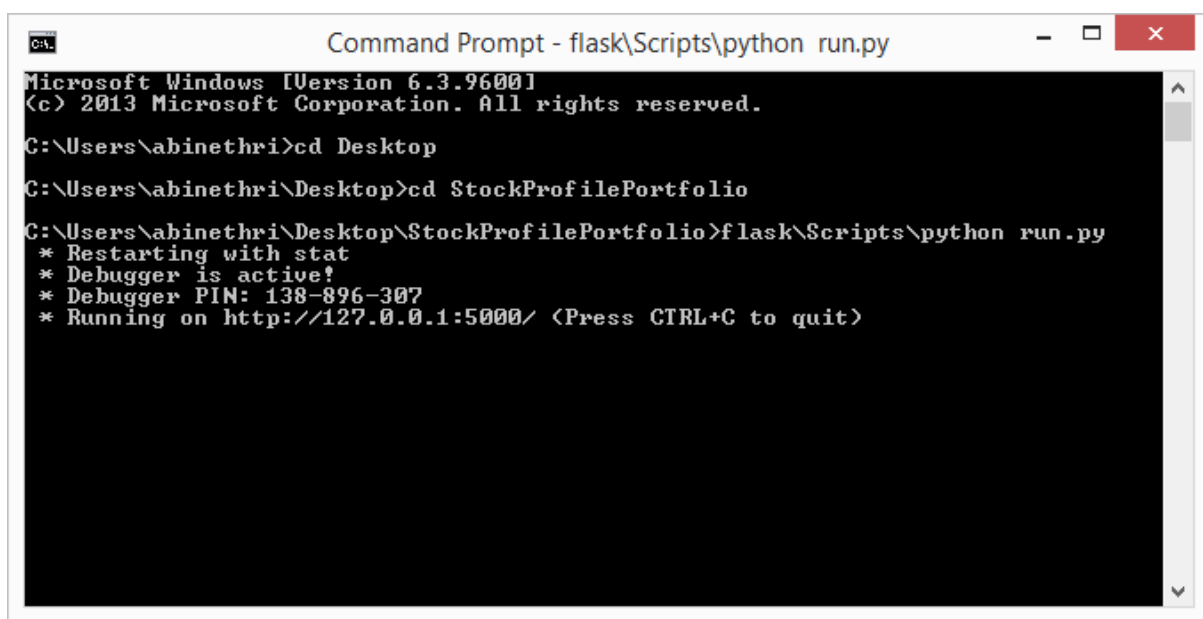
Python Stock Profile Calculator Implementation with Web UI

Flask Installation:

1. Download app folder and put in StockProfile folder and create virtual environment in this folder using command:
pip install virtualenv
2. Install virtualenv on Windows 8 by installing pip first
from <https://pip.pypa.io/en/latest/installing/>
3. Now use command virtualenv flask
4. Type these commands to install

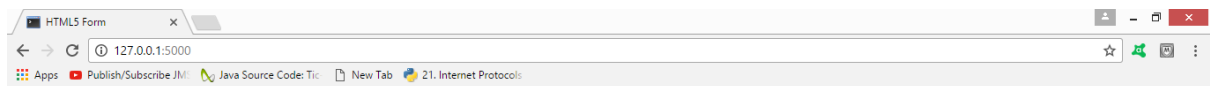
```
flask\Scripts\pip install flask
flask\Scripts\pip install flask-login
flask\Scripts\pip install flask-openid
flask\Scripts\pip install flask-mail
flask\Scripts\pip install flask-sqlalchemy
flask\Scripts\pip install sqlalchemy-migrate
flask\Scripts\pip install flask-whooshalchemy
flask\Scripts\pip install flask-wtf
flask\Scripts\pip install flask-babel
flask\Scripts\pip install guess_language
flask\Scripts\pip install flipflop
flask\Scripts\pip install coverage
```

5. Run the run.py file using command flask\Scripts\python run.py
6. Check the output in the browser as seen below.



```
Command Prompt - flask\Scripts\python run.py
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\abinethri>cd Desktop
C:\Users\abinethri\Desktop>cd StockProfilePortfolio
C:\Users\abinethri\Desktop\StockProfilePortfolio>flask\Scripts\python run.py
* Restarting with stat
* Debugger is active!
* Debugger PIN: 138-896-307
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

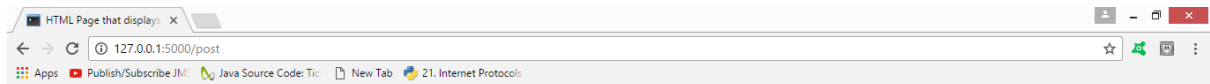


Stock Profit Calculator

Create your Stock profile here!

Calculate your profits in your investments here and create your portfolio!

Enter a Stock Symbol(in alphabets):	<input type="text" value="ADBE"/>
Allotment(No of shares bought):	<input type="text" value="100"/>
Final Share Price(in \$):	<input type="text" value="110"/>
Sell Commission(in \$):	<input type="text" value="15"/>
Initial Share Price(in \$):	<input type="text" value="25"/>
Buy Commission(in \$):	<input type="text" value="10"/>
Capital Gain Tax Rate(%):	<input type="text" value="15"/>
<input type="button" value="Calculate"/>	



Your Stock Profile Report:

Ticker Symbol	ADBE
Proceeds	\$11000.0
Cost	\$3796.25
Total Purchase Price	\$2500.0
Buy Commission	\$10.0
Sell Commission	\$15.0
Tax on Capital Gain	\$1271.25
Net Profit	\$7203.75
Return On Investment	189.759631215%
Final Share Price To Break Even	\$25.25