Stock Assist v1.0

Welcome to Stock Assist v1.0. Our broker requires a custom software application that would get them quick information and analysis of on a given stock.

Upon entering the program, user should be presented with a menu from which the user can choose one of the available features of the program. Here are the list of features:

1- Load Stock: When user chooses "1", the program should ask for the ticker of the stock. Based on the ticker provided, the program should download the historical stock data from yahoo. Other features will operate on this downloaded data.

2- Min/Max/Average: When user chooses "2", the program will display the minimum, maximum and average closing price of the stock.

3- Historic Volatility: When user chooses "3", the program will perform standard deviation on historical closing price and display on screen.

4- Daily Volatility: When user chooses "4", the program will find the date where the maximum difference between the high and low price of the stock occurs.

5- Email Results: When user chooses "5", the program asks for an email address. An email containing the stock data is sent to the email address provided.

0- Exit : When user chooses "0", program exits.

Libraries you need to use:
1-
import urllib
url = "http://ichart.finance.yahoo.com/table.csv?s=[stock name]"
urllib.urlretrieve(url, [file name])

2-
from numpy import *
http://docs.scipy.org/doc/numpy/reference/index.html

3-
import smtplib
smtpObj = smtplib.SMTP('smtp.gmail.com:587')
smtpObj.starttls()
smtpObj.login('', '')
smtpObj.sendmail(sender, receivers, message)