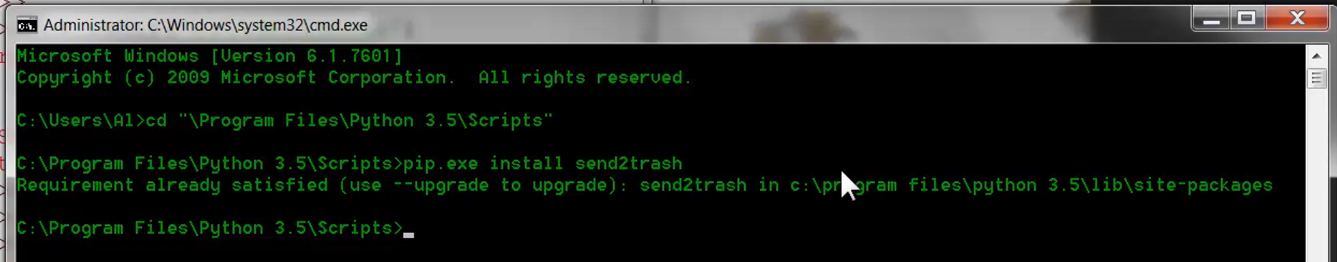
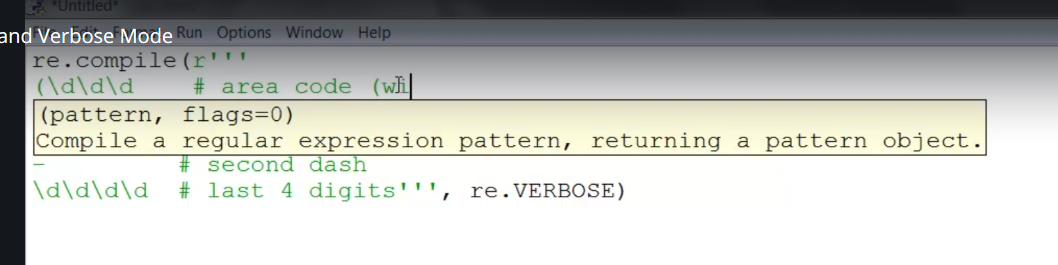
Automate the Boring Stuff

Programming Basics

* Continue to go to next iteration of the loop
* Installing packages



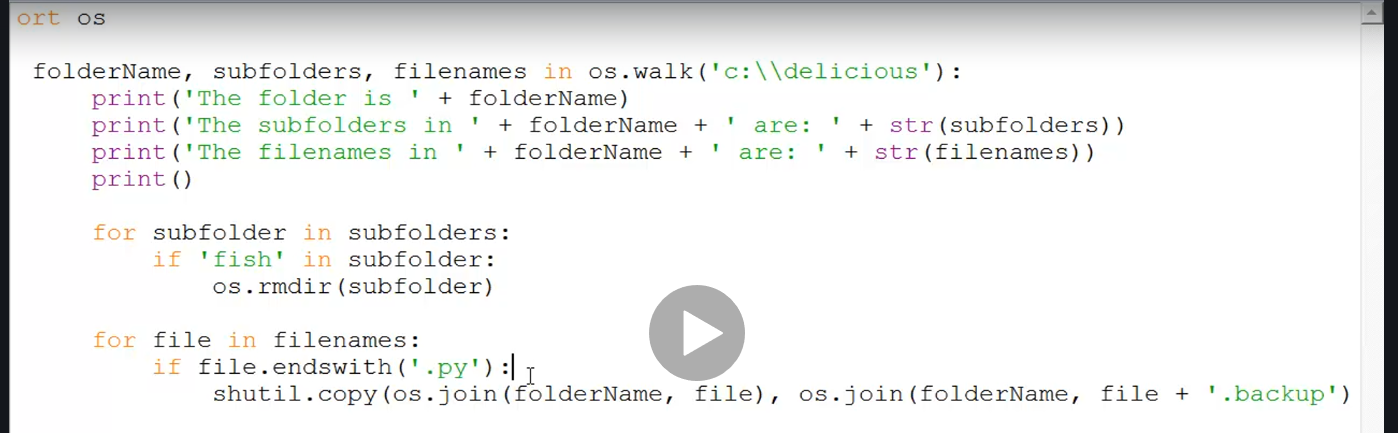
Regular Expressions



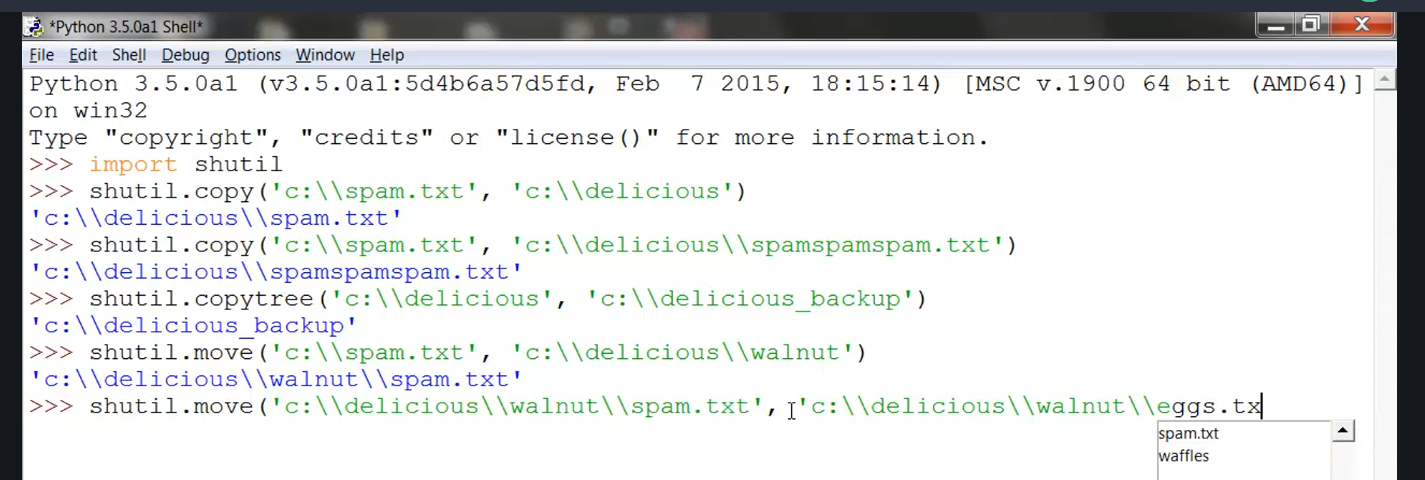
* Verbose allows us to add the spaces and comments to make long re more understandable
* Can pipe multiple arguments for 2nd “argument” if necessary

OS

* OS package is very useful for working with files and file paths

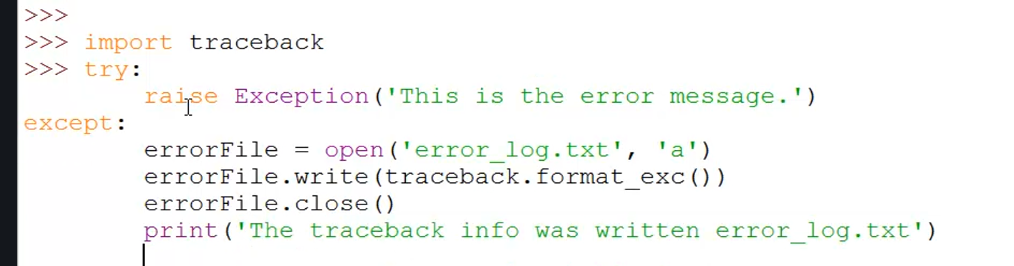


SHUTIL



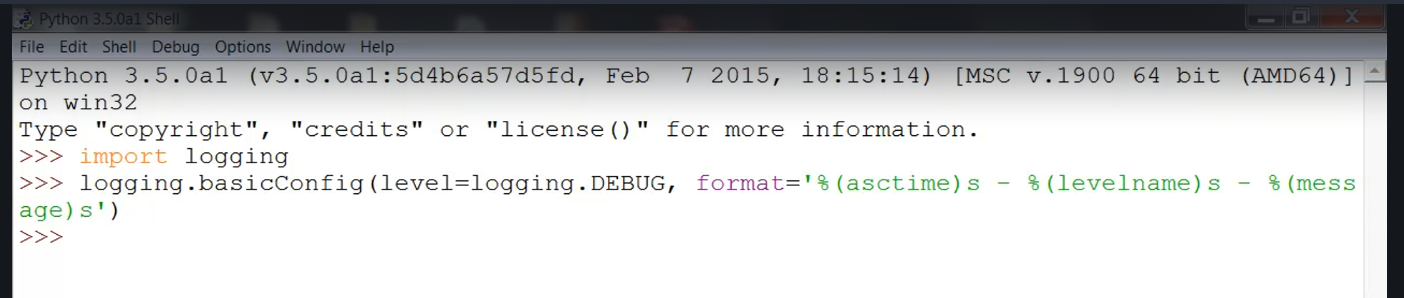
* Useful for moving files around

Traceback

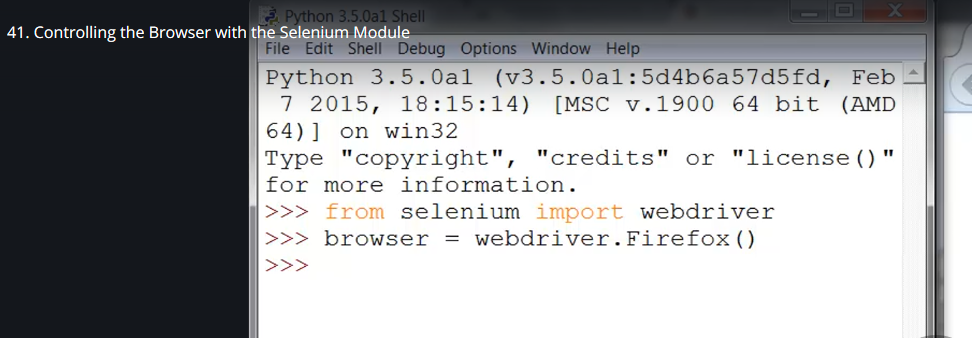


* Write to an error log; raises an error, but program can continue …
* Assertions are for detection programmer errors; user errors should raise exceptions

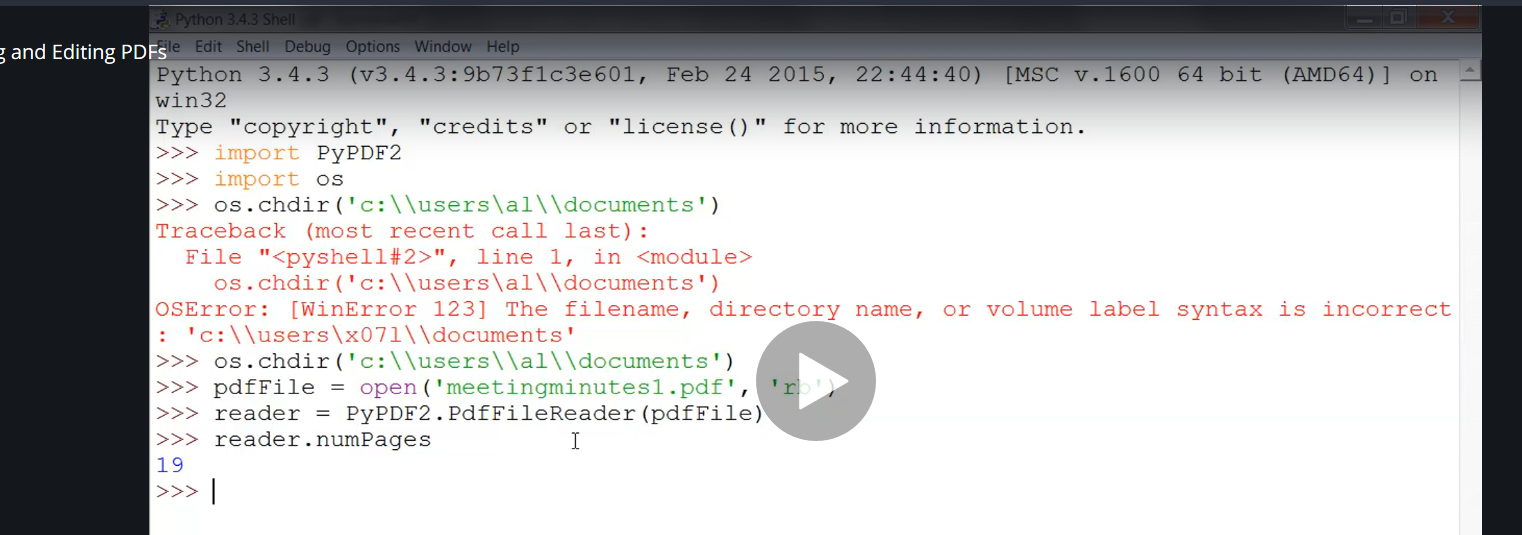
Logging



Controlling Web Browser



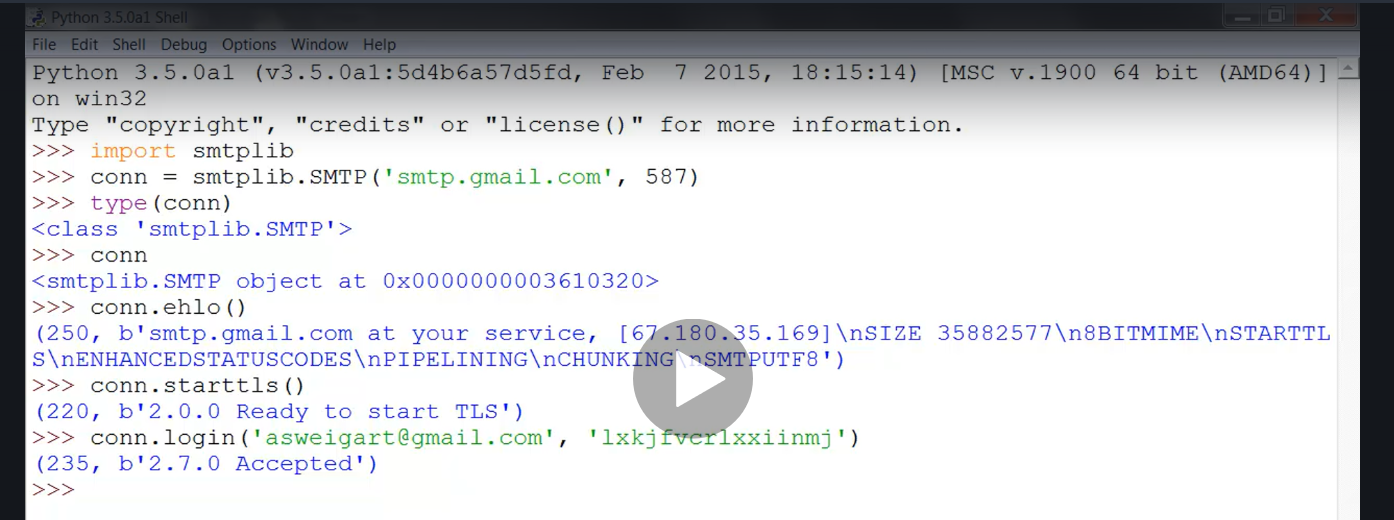
Reading and Editing PDFs



* There are many different PDF modules, but PyPDF2 is the best at reading text, can’t currently read images
* The formatting can be difficult to get the exact text

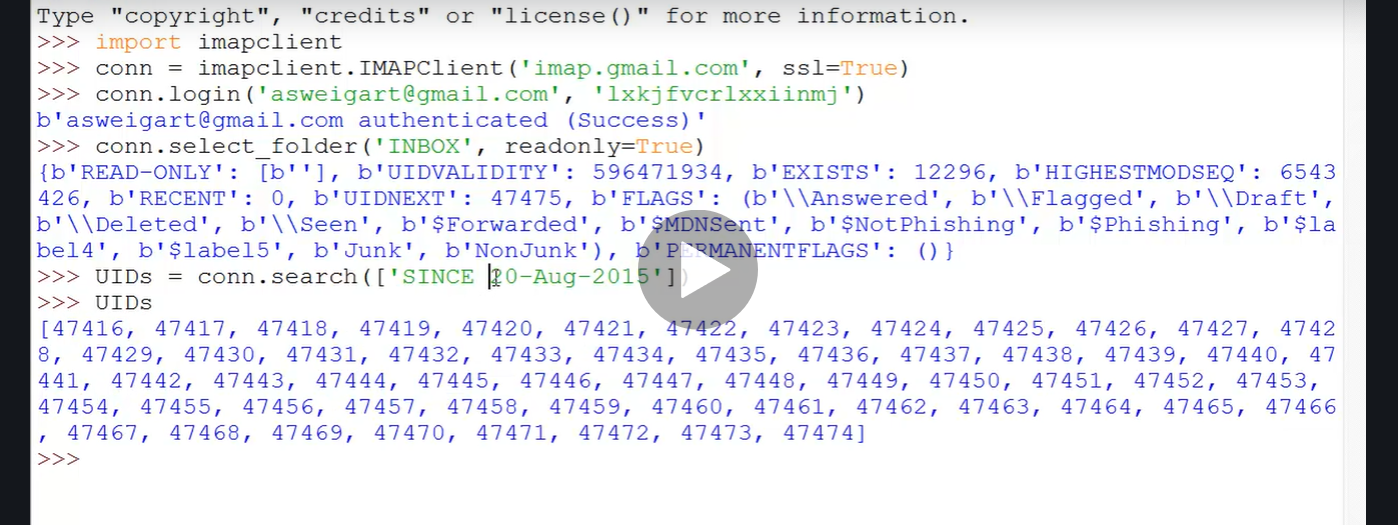
Email with Python

* Logging into email server



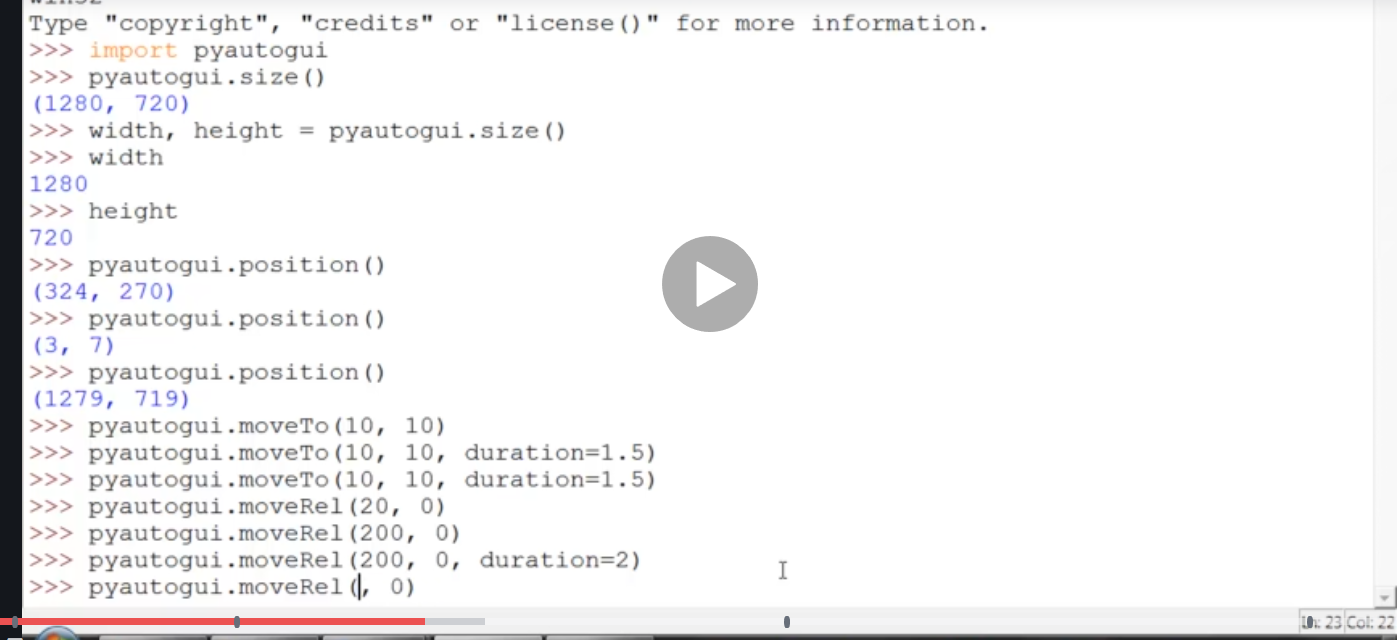


* Sending mail
* Searching Inbox

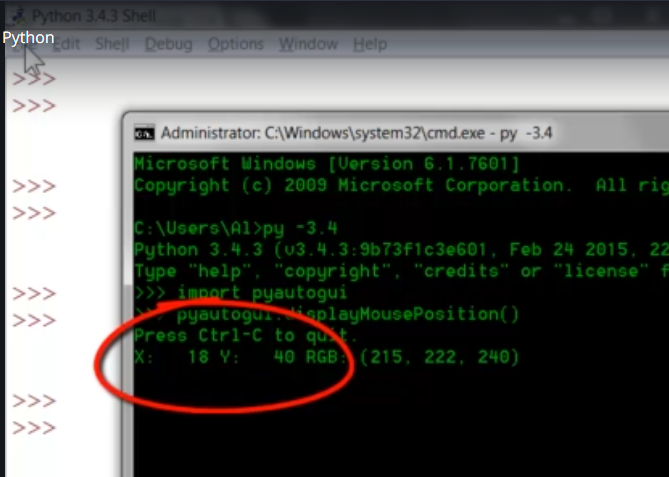


pyautogui

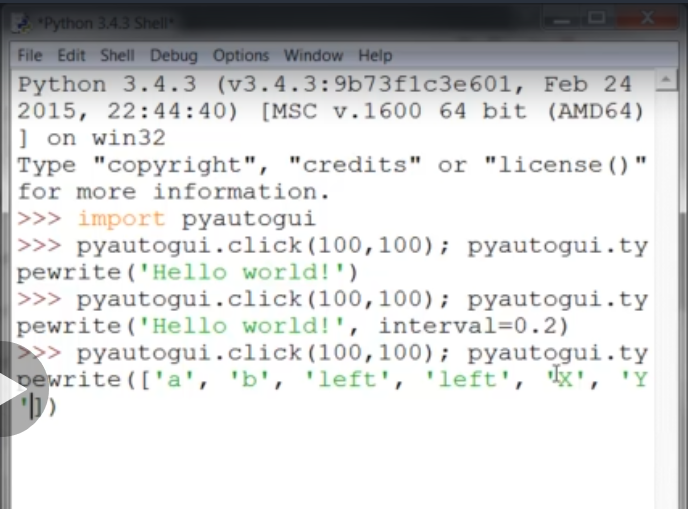
* Because JDE is all keystroke based, maybe there is another task you can automate?
* Moving the mouse



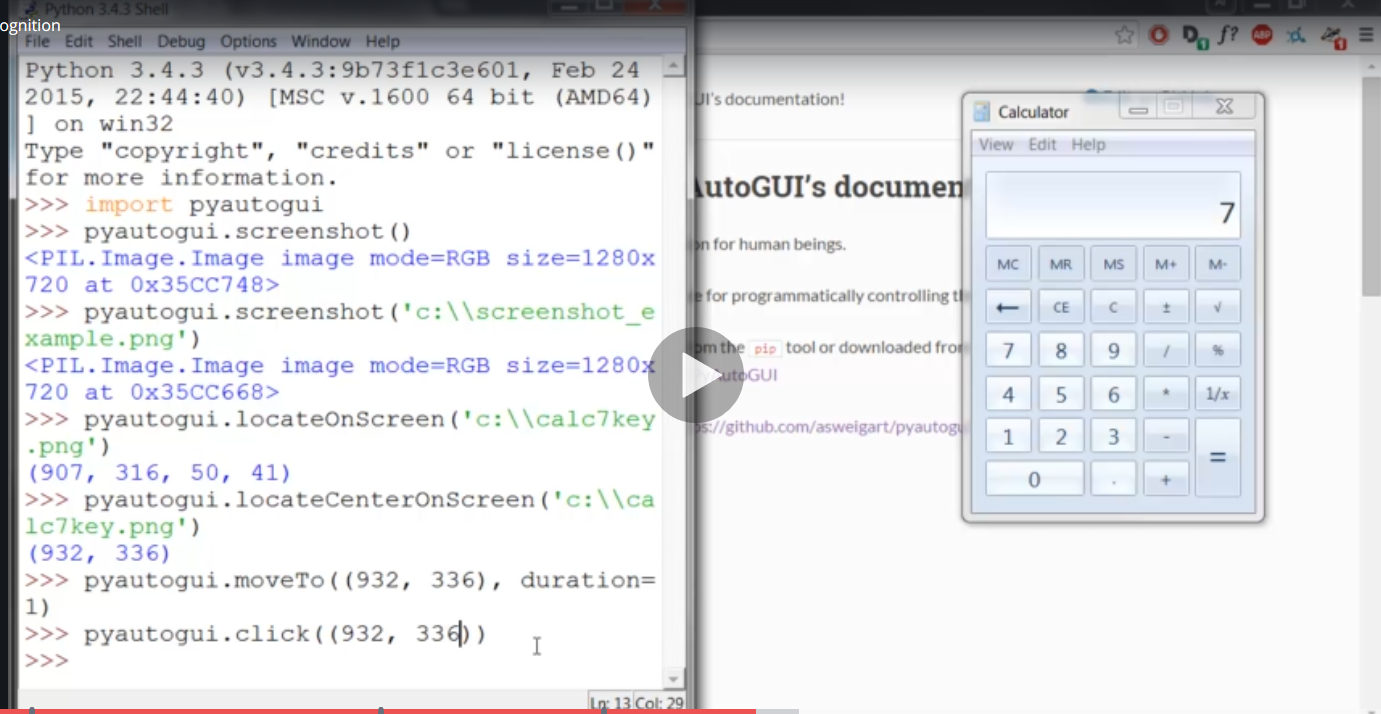
* Use this function to record locations on your screen



* Keys on the keyboard (not typing a string)



* Image recognition offers huge potential for opportunity



* Computationally expensive and must be pixel perfect
* Look for ways to speed up and do partial matches!