Jupyter Usage and Regex Terminology

Jupyter Notebook

To launch from Anaconda Command Prompt

➢cd C:\RegexPythonCourse\UsageExample

➢jupyter notebook

Purpose	Keyboard Short Cut
To execute contents of a cell	Shift-Enter (run content of a cell and move focus to next cell) Ctrl-Enter (run content of a cell and stay in the same cell)
To insert cell	Esc-A (above current cell) Esc-B (below current cell)
Auto Complete	Tab
Tool Tip/Help	Shift-Tab
List of Keyboard Shortcuts	Help -> Keyboard Shortcuts

Python Regular Expression Terminology

Pattern - A text pattern of interest expressed in Regular Expression Language
Example: \b\d+\b matches a word made up of one or more decimal digits.

Text – String in which to look for a match with a given pattern

Regex Engine - Regular Expression Engine that does the actual work

Regex Module – Python module for interacting with Regex Engine.
Module: re

Find First Match

Method	Purpose
re.match	Find first match at start of text
re.search	Find the first match anywhere in the text

Find All Matches

Method	Purpose
re.findall	Find all matches in a single call
re.finditer	Iterate through matches one by one

Group

Method	Purpose
group	Retrieve value by name or number
groupdict	Retrieve values as dictionary

Find and Replace

Method	Purpose
re.sub	Replace a text that matches Find Pattern
	Replace match with another text or another pattern or another function that provides a replacement value

Split

Method	Purpose
re.split	Split text based on Pattern