Basics & Meta Characters			
Goal: Understand what regex is and learn the fundamental building blocks.			
	Any new character except \n		
^	Start of String		
\$	End of String		
\d,\D	Digit/Non Digit		
\w,\W	Word Char/Non Word Char		
ls,lS	Space / Non-space		
[]	Character Set		
I	OR		

	<u>Quantifiers</u>					
Goal: Learn how to match repeated patterns.						
*	0 or more	Matches the preceding character/pattern <b>zero or more times</b> .				
+	1 or more	Matches the preceding character/pattern at least once.				
?	0 or 1	Matches the preceding character/pattern zero or one time.				
{n}	Exactly n	Matches the preceding character/pattern exactly n times.				
{n,}	n or more	Matches the preceding character/pattern at least n times.				
{n,m}	Between n and m	Matches the preceding character/pattern between n and m times (inclusive).				

Groups & Capturing							
Goal: Extract specific parts from matches.							
0	Capturing Group	Captures the matched text inside the parentheses.					
(?:)	Non-capturing group	Groups things <b>without</b> capturing the match in .groups().					
(?P <name>)</name>	Named group	Gives the group a name for easy access.					
.group(),							
.groups(),							
.groupdict()							

Anchors, Boundaries & Flags				
Goal: Control where matches happen and tweak behavior.				
^,\$	Anchors	match positions		
\b	Boundaries	word boundary (transition between word char and non-word char)		
\B		NOT a word boundary		
re.IGNORECASE		(case-insensitive)		
re.MULTILINE		^ and \$ apply to every line		
re.DOTALL		. matches newlines too		

<u>Lookarounds (Advanced)</u>				
Goal: Match patterns based on what comes before/after without including it.				
(?=)	Positive Lookahead	Matches something only if it is followed by another pattern.		
(?!)	Negative Lookahead	Matches something <b>only if it is NOT followed by</b> another pattern.		
(?<=)	Positive Lookbehind	Matches something only if it is preceded by another pattern.		
(? )</td <td>Negative Lookbehind</td> <td>Matches something only if it is NOT preceded by another pattern.</td>	Negative Lookbehind	Matches something only if it is NOT preceded by another pattern.		

Python Regex Functions				
Goal: Use the re module like a pro.				
re.match()	Tries to match a pattern <b>only at the beginning</b> of the string.			
re.search()	Searches the <b>entire string</b> for the first match.			
re.findall()	Returns all matches as a list of strings.			
re.finditer()	Returns all matches as match objects (iterator).			
re.sub()	Replace all matches with another string.			
re.split()	Splits a string by regex pattern.			