Regex in Python

Some functions in regex:

Function	Description
findall	Returns a list containing all matches
search	Returns a Match object if there is a match anywhere in the string
split	Returns a list where the string has been split at each match
sub	Replaces one or many matches with a string

The module to be used –re

Some regex are:

1.Metacharacters

[ ]	A set of characters	"[a-m]"
\	Signals a special sequence (can also be used to escape special characters)	"\d"
.	Any character (except newline character)	"he..o"
^	Starts with	"^hello"
$	Ends with	"planet $"
*	Zero or more occurrences	"he.*o"

+ One or more occurrences		"he.+o"
? Zero or one occurrences		"he.?o"
{ Exactly the specified number of occurrences }		"he.{2} o"
| Either or		"falls|st ays"

Char acter	Description	Exam ple	Try it
\A	Returns a match if the specified characters are at the beginning of the string	"\AThe "	
\b	Returns a match where the specified characters are at the beginning or at the end of a word (the "r" in the beginning is making sure that the string is being treated as a "raw string")	r"\bain " r"ain\b "	
\B	Returns a match where the specified characters are present, but NOT at the beginning (or at the end) of a word (the "r" in the beginning is making sure that the string is being treated as a "raw string")	r"\Bain " r"ain\B "	
\d	Returns a match where the string contains digits (numbers from 0-9)	"\d"	
\D	Returns a match where the string DOES NOT contain digits	"\D"	
\s	Returns a match where the string contains a white space character	"\s"	

\S	Returns a match where the string DOES NOT contain a white space character	"\S"
\w	Returns a match where the string contains any word characters (characters from a to Z, digits from 0-9, and the underscore _ character)	"\w"
\W	Returns a match where the string DOES NOT contain any word characters	"\W"
\Z	Returns a match if the specified characters are at the end of the string	"Spain \Z"