Regular expression

A regular expression is a sequence of characters that define a search pattern. Usually such patterns are used by string-searching algorithms for "find" or "find and replace" operations on strings, or for input validation. It is a technique developed in theoretical computer science and formal language theory. Wikipedia

#
@
a
Z

Phone No  Password Validation → 8, special symbol ✓
Capitals ✓
smalls ✓

Email Valid @__.com

text = "@P P 2"

regX = "[@P2] [2P@]"

['@P', 'P2']

[ ] → Character class

[.com]

=> {'.', 'c', 'o', 'm'}

=> 4 chars in set

text = "mX.com"

regX = "[.com]"

output = re.findall(regX, text)

What is length of output?

output = ['m', '.', 'c', 'o', 'm']

This is how re.findall works ✓

5 ✓

'[a-d]' ← reg X

Set of chars in this char class?

{'a', 'b', 'c', 'd'} ✓

output = ['a', 'd']

= 2 ✓

text = "12#@@apple@dog"

output = re.findall(reg X, text)

len(output) = ?

12[0-9]{1,3}

2 ← Any No. 0 - 999 ✓

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