

# Python Regular expressions

## Rules to create a pattern

PART-3



# Python Scripting for Automation

(Automate your repetitive tasks with python scripting)

## Rules to create a pattern:

`a` , `x` , `9` - Ordinary characters that match themselves

`[abc]` - Matches `a` or `b` or `c`

`[a-c]` - Matches `a` or `b` or `c`

`[a-zA-Z0-9]` - Matches any letter from ( `a` to `z` ) or ( `A` to `Z` ) or ( `0` to `9` )

`\w` - Matches any single letter, digit or underscore

`\W` - Matches any character not part of `\w`

`\d` - Matches decimal digit 0-9

`.` - Matches any single character except newline character

**Note: Use `\.` to match `.`**

# Rules to create a pattern:

`^` - Start of the string (and start of the line in-case of multiline string)

`$` - End of the string (and newline character in-case of multiline string)

`\b` - Empty string at the beginning or end of a word

`\B` - Empty string not at the beginning or end of a word

`\t`, `\n`, `\r` - Matches tab, newline, return respectively

## Rules to create a pattern:

{2}      exactly 2 times

{2,4}      2, 3 or 4 times

{2,}      two or more time

+      one or more

\*      0 or more times

?      once or none(lazy)

**Thank you**