

Regular Expressions in Python and Perl

1 Introduction

((Coming soon))

2 Basic Symbols

Wat do?	How Perl do?	How Python do?
Custom character class	[...]	[...]
Negated custom character class	[^...]	[^...]
Ranges	[a-z] (with '-' escaped if it comes last)	[a-z] (with '-' escaped if it comes last)
Alternation ("or")		

3 Zero-width assertions

Wat do?	How Perl do?	How Python do?
Word boundary	\b	\b
Anywhere but word boundary	\B	\B
Beginning of line/string	^ / \A	^ / \A
End of line/string	\$ / \Z	\$ / \Z

4 Captures and Groups

Wat do?	How Perl do?	How Python do?
Capturing group	(...) or (?<name>...)	(...) or (?P<name>...)
Non-capturing group	(?:...)	(?:...)
Backreference to a specific group	\1, \g1	\1
Named backreference	\k<name>	(?P=name)

5 Character Classes

Wat do?	How Perl do?	How Python do?
Any character (except newline)	.	.
Match a non-"word" character	\W	\W
Match a "word" character	\w or [[:word:]]	\w
Case	[[:upper:]] or [[:lower:]]	N/A
Whitespace (not including newlines)	N/A	N/A
Whitespace (including newline)	\s or [[:space:]]	\s
Match a non-whitespace character	\S	\S
Match a digit character	\d or [[:digit:]]	\d
Match a non-digit character	\D	\D
Any hexadecimal digit	[[:xdigit:]]	N/A
Any octal digit	N/A	N/A
Any graphical character excluding "word" characters	[[:punct:]]	N/A
Any alphabetical character	[[:alpha:]]	N/A
Any alphanumerical character	[[:alnum:]]	N/A
ASCII character	[[:ascii:]]	N/A

6 Lookarounds

((Coming soon))

7 Multiplicity

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8 Examples

((Coming soon))

9 What type of regex does my text editor use?

((Coming soon))

10 Which type of regex does \$LINUX_UTIL use?

((Coming soon))

11 Conclusion

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