### Anchors
- `^` Start of string, or start of line in multi-line pattern
- `A` Start of string
- `$` End of string, or end of line in multi-line pattern
- `Z` End of string
- `b` Word boundary
- `B` Not word boundary
- `<` Start of word
- `>` End of word

### Assertions
- `?=` Lookahead assertion
- `?!` Negative lookahead
- `?<=` Lookbehind assertion
- `?!=` or `?!<` Negative lookbehind
- `?()` Condition [if then]
- `?()[[]` Condition [if then else]
- `?#` Comment

### Quantifiers
- `*` 0 or more
- `+` 1 or more
- `?` 0 or 1
- `{m,n}` m to n
- `{m,}` m or more
- `{m,n}` m to n or more

### Pattern Modifiers
- `g` Global match
- `i` Case-insensitive
- `m` Multiple lines
- `s` Treat string as single line
- `x` Allow comments and whitespace in pattern
- `e` Evaluate replacement
- `U` Ungreedy pattern
- `*` PCRE modifier

### Groups and Ranges
- `. ` Any character except new line (`\n`)
- `(a|b)` a or b
- `(\d)` Digits
- `(\w)` Word
- `(\S)` Not white space
- `(\d)` Digits
- `(\D)` Not digits
- `(\w)` Word
- `(\W)` Not word
- `(\s)` White space
- `(\S)` Not white space
- `(\c)` Control character
- `(\w)` Word
- `(\b)` Word boundary
- `(\B)` Not word boundary
- `(\t)` Tab
- `(\v)` Vertical tab
- `(\f)` Form feed
- `(\x)` Octal digit
- `(\X)` Hex digit
- `(\A)` Start of string
- `(\Z)` End of string
- `(\b)` Word boundary
- `(\B)` Not word boundary
- `(\<)` Start of word
- `(\>)` End of word

### Character Classes
- `\w` Word
- `\W` Not word
- `\d` Digits
- `\D` Not digits
- `\s` White space
- `\S` Not white space
- `\c` Control character
- `\.` Period
- `\#` Comment
- `\` Escape following character
- `\Q` Begin literal sequence
- `\E` End literal sequence

### Escape Sequences
- `\n` New line
- `\r` Carriage return
- `\t` Tab
- `\v` Vertical tab
- `\f` Form feed
- `\x` Octal character
- `\X` Hex character

### Common Metacharacters
- `^` Start of string
- `{` Start of group
- `-` Value character
- `$` End of group
- `\` Escape character
- `|` OR operator
- `?` Lookbehind assertion
- `+` Lookbehind assertion
- `(` Lookbehind assertion
- `)` Lookbehind assertion
- `<` Lookbehind assertion
- `>` Lookbehind assertion

### Groups and Ranges
- `(` Group
- `)` End of group
- `|` OR operator
- `?:` Non-capturing group
- `[` Range
- `]` End of range
- `(?:...)` Passive group
- `[a-z]` Lower case letters
- `[A-Z]` Upper case letters
- `[0-9]` Digits
- `[a-f]` Hex digits
- `[\d|\D]` Digits
- `[\w|\W]` Word

### POSIX
- `[` POSIX character class
- `]` End of POSIX character class
- `[[:upper:]]` Upper case letters
- `[[:lower:]]` Lower case letters
- `[[:alpha:]]` All letters
- `[[:digit:]]` Digits
- `[[:xdigit:]]` Hex digits
- `[[:print:]]` Printed characters
- `[[:graph:]]` Printed characters
- `[[:punct:]]` Punctuation
- `[[:blank:]]` Space and tab
- `[[:space:]]` Blank character
- `[[:cntrl:]]` Control characters

### Special Characters
- `\n` New line
- `\r` Carriage return
- `\t` Tab
- `\v` Vertical tab
- `\f` Form feed
- `\x` Octal character
- `\X` Hex character

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Published 19th October, 2011.
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