The Perl Regular Expression (RegEx) Pattern Matching Cheat Sheet

Concatenation: any sequence of forward-slash delimited characters: /even/ or m/even/ The binding operator (=~) compares a value against a RegEx: \$string =~ /odd/ + means "one or more", e.g., one or more a's: /ela+/ Parentheses are used to group, e.g., one or more ela's: /(ela)+/ Characters can be escaped with a backslash, e.g., one or more closing parentheses: /ela\)+/ The alternation character is a vertical bar, e.g., 'a' or 'b' or 'c': /a|b|c/ Character classes are an alternation shorthand notation: /[abc]/ Character class ranges are also possible: /[0-9]/ or /[a-zA-Z]/ Ranges can be inverted, e.g., anything but a vowel: /[^aeiouAEIOU]/ Other shorthand includes a single digit: /\d/, a single space character: /\s/ or a single alphanumeric word character: /\w/ The $\backslash d$, $\backslash s$ and $\backslash w$ shorthand can be inverted with $\backslash D$, $\backslash S$ and $\backslash W$, respectively Specific repeat-counts are possible: $\w{2}$ or $\w{2,4}$ or $\w{2,4}$ A single element is there "zero or one" time(s): /bart?/ A single element is there "zero, one or more" time(s): /bart*/ Any single character (except newline): /bar./ Word boundaries are matchable: /\beven\b/ The start and end of a string/line: /^hello\$/ A blank string/line: /^\$/ A string/line of space characters (potentially): /^\s*\$/ The binding operator (=~) checks for a match, and can be *negated* with !~ As well as grouping, the parentheses also remember what was successfully matched in the built-in after-match variables: \$1, \$2, \$3, and so on ... In Perl, every RegEx is greedy by default – switch off greediness with ?: /(.+?), Bart/ Alternative delimiters (including any bracketing pair) can be specified after the initial "m": m{http://(.+)} Substitutions are possible (using the **s** prefix), as are translations (using the **tr** prefix) and deletions (using the **d**

More information on Perl's RegEx technology is in the following *manual pages*: **perlre**, **perlrequick**. **perlretut**, as well as the excellent *Mastering Regular Expressions*, 2nd Edition by Jeffrey E. F. Friedl.

qualifier). Patterns can match globally with the **q** qualifier and case-insensitively with the **i** qualifier