Minimal Regular Expressions Cheat Sheet

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| |  |  | | --- | --- | | Anchors | | | ^ | Start of string or start of line in multi-line pattern | | $ | End of String or end of line in a multi-line pattern | | \A | Start of String | | \Z | End of String | | \b | Word boundary | | \B | Not a word boundary | | \< | Start of word | | \> | End of word | | |  |  | | --- | --- | | Quantifiers | | | \* | 0 or more | | + | 1 or more | | ? | 0 or 1 | | {n} | Exactly n | | {n,} | n or more | | {n,m} | n, n+1, …, or m | | |  |  | | --- | --- | | Character Classes | | | \d | Any digit (0-9) | | \D | Any character that is not a digit | | \s | Any whitespace character (such as spaces, tabs and new lines) | | \S | Any character that is not a whitespace character | | \w | Any **word character** (also called **alphanumeric character**)-that is any upper or lowercase letter, any digit or an underscore | | \W | Any character that is not a word character | |

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| |  |  | | --- | --- | | Groups and Ranges | | | . | Any character except the new line (\n) | | (a|b) | a or b | | (...) | Group | | (?...) | Passive (non-capturing) group | | [abc] | a or b or c | | [^abc] | Not (a or b or c) | | [a-q] | Lowercase letter range from a to q | | [A-Q] | Uppercase letter range from A to Q | | [0-7] | Digit from 0 to 7 | | |  |  | | --- | --- | | Escape Sequences | | | \ | Escape the following character | | \Q | Begin a literal sequence | | \E | End a literal sequence | | "Escaping" is a way of treating characters which have a special meaning in regular expressions literally, rather than as special characters. | | | |  |  |  |  | | --- | --- | --- | --- | | Common Metacharacters | | | | | ^ | **[** | **.** | **$** | | { | **\*** | **(** | **\** | | + | **)** | **|** | **?** | | < | **>** |  |  | |