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| --- | --- |
| RegEx | Description |
| . | matches any character except newline |
| \ | escape character |
| \w | word character [a-zA-Z\_0-9] |
| \W | non-word character [^a-zA-Z\_0-9] |
| \d | Digit [0-9] |
| \D | non-digit [^0-9] |
| \n | new line |
| \r | carriage return |
| \t | tabulation |
| \s | white space |
| \S | non-white space |
| ^ | beginning of a line |
| $ | end of a line |
| \A | beginning of the string (multi-line match) |
| \Z | end of the string (multi-line match) |
| \b | word boundary, boundary between \w and \W |
| \B | not a word boundary |
| \< | beginning of a word |
| \> | end of a word |
| {n} | matches exaclty n times |
| {n,} | matches a minimum of n times |
| {x,y} | matches a min of x and max of y |
| (a|b) | ‘a’ or ‘b’ |
| \* | matches 0 or more times |
| + | matches 1 or more times |
| ? | matches 1 or 0 times |
| \*? | matches 0 or more times, but as few as possible |
| +? | matches 1 or more times, but as few as possible |
| ?? | matches 0 or 1 time |
| [abc] | a single character of: a, b, or c |
| [^abc] | any single character except: a, b, or c |
| [a-z] | any single character in the range a-z |
| [a-zA-Z] | any single character in the range a-z or A-Z |
| (…) | capture everything enclosed |
| a? | zero or one of a |
| a\* | zero or more of a |
| a+ | one or more of a |
| a{3} | exactly 3 of a |
| a{3,} | 3 or more of a |
| a{3,6} | between 3 and 6 of a |

Match a single character (returns a True):

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| --- | --- |
| 1 | ‘positivedb’ –match ‘posit.vedb’ |

Match at least one of a range of characters (returns a True):

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘positiv[a-g] and powershell’ |

Doesn’t match at least one of a range of characters (returns a True):

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘positiv[^h-z] and powershell’ |

Match any but these characters, can be specified in one or more contiguous ranges (returns False):

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| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘positiv[^abc-dfg-hij] and powershell’ |

The some as above but returning True:

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘positiv[^abc-dfg] and powershell’ |

Match only if at the beginning of the line (returns ‘ivedb and powershell’):

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –replace ‘^posit’,’’ |

Match only if at the end of the line (returns ‘positivedb and power’):

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –replace ‘shell$’,’’ |

Match zero or more of \* preceding character (returns True):

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘z\*’ |
| 1 | ‘positivedb and powershell’ –match ‘z\*z\*’ |

The some as above but returns False:

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘^z\*$’ |

Match one or more of preceding and succeeding + (returns True):

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| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘posi+’ |

Match a group of characters replaced by . (returns True):

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| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘posi.’ |
| 1 | ‘positivedb and powershell’ –match ‘posi.shell’ |

|  |  |
| --- | --- |
| 1 | ‘positivedb and powershell’ –match ‘posi.shell$’ |