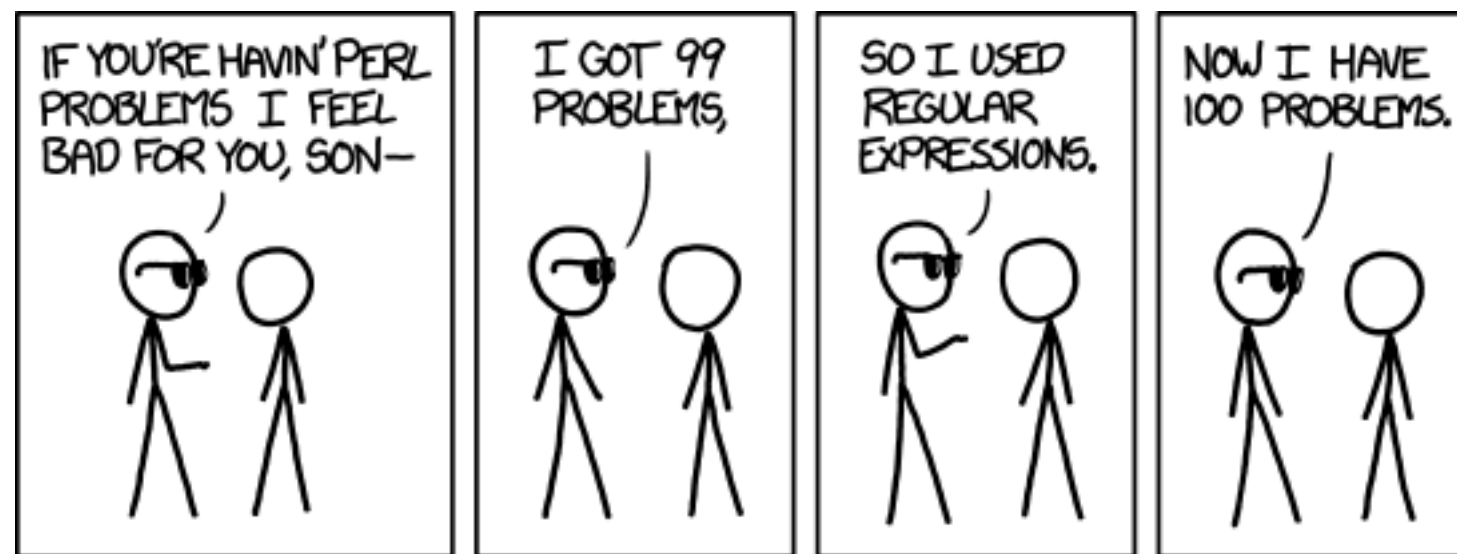
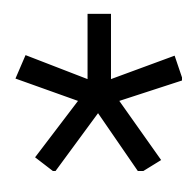


Regular Expressions



The expressions which are regular



Special Characters

^ \$. * + ? = ! : | \ /
() [] { }

Example

`/[a-z]*\.txt/`

Character Classes

`/[abc]/`

Character classes allow you to specify a set of characters that will be matched.

Character Classes

.	Any character except newline (or another Unicode terminator)
\w	any ASCII word character
\W	any character that is NOT an ASCII word character
\s	Any Unicode whitespace character
\S	Any character that is NOT Unicode whitespace
\d	Any ASCII digit
\D	Any character that is not an ASCII digit.

Repetition

$\{n, m\}$	Match the previous item at least n times but no more than m times.
$\{n, \}$	Match the previous item n or more times.
$\{n\}$	Match exactly n occurrences of the previous item
$?$	Match zero or one occurrences of the previous item. That is, the previous item is optional. Equivalent to $\{0, 1\}$.
$+$	Match one or more occurrences of the previous item. Equivalent to $\{1, \}$
$*$	Match zero or more occurrences of the previous item. Equivalent to $\{0, \}$

Example

`/\d{1,5}/`

Matches 1 to 5 ASCII digits

`/w{3}\d?/`

Matches exactly three word characters and an optional digit

`/\s+java\s+/`

Match “java” with one or more spaces before and after

`/[^()*/`

Match zero or more characters that are not open parenthesis

Boundaries

^	Match the beginning of the string and, in multiline searches, the beginning of the line.
\$	Match the end of the string and, in multiline searches, the end of the line.
\b	Match a word boundary. That is, match the position between a \w character and a \W character or between a \w character and the beginning or end of the string.
\B	Match a position that is not a word boundary

Example

Match the string “java” at
the beginning of the line

`/^java/`

Match the string “script” at
the end of a line

`/script$/`

Match the string “the” in the
middle of a word.

`/\Bthe\B/`

Other examples

`/^\>(*\d{3}\)(|-)*\d{3}(|-)*\d{4}$/`

Matches a phone number

`/^([a-z0-9_\. -]+)@([\da-z\.-]+)\.([a-z\.]{2,6})$/`

Matches an e-mail address

`/^#?([a-f0-9]{6}|[a-f0-9]{3})$/`

Matches a Hex value

Don't abuse RegEx's

[illegible]