BBEdit grep quick reference

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A character in a grep pattern generally matches itself. Metacharacters (summarized to the right) must be preceded by backslash (\) to match literally.

PATTERN	MODIFIERS (?on-off)
(?i)	case insensitive
(?m)	multiline: ^ and \$ match begin/end of file
(?s)	matches newline, but consider (. \n) instead
(?x)	ignore whitespace; allow # comments

A character class [abc] matches exactly one character, but [abc] may be qualified by +, *, ?, {n} etc. A - Z indicates a range. Within a character class, characters such as .* | match themselves with no special interpretation. To match a hyphen, place it first or back-slash-escape it. Backslash escape \] matches], \\ matches \.

Posix Character Classes match 1 char within a character class set

1 char <i>witi</i>	<i>hin</i> a character class set
[:alnum:]	alphanumeric
[:alpha:]	including Unicode
[:ascii:]	[\x00-\x7f]
[:blank:]	horiz whitespace
[:cntrl:]	control codes
[:digit:]	[0-9], same as \d
[:graph:]	printable not spaces
[:lower:]	lowercase letter
[:print:]	printable incl spaces
[:punct:]	punctuation
[:space:]	same as \s
[:upper:]	uppercase letter
[:word:]	same as \w
[:xdigit:]	hex digit [0-9A-Fa-f]
[: ^ class:]	invert the class

is backslas	ENT PATTERN escape h in BBEdit; other ay use \ or \$
& or \0 \1\99	entire match k^{th} subpattern
\P<a>	named subpattern
\u \l	case specifier: make next character upper/ lowercase
\U \L	make characters upper/lowercase until next case specifier
\E	end case transform

PRIMITIVES			
\A	0 chars at start of file	\z	at end of file
\Z	0 chars at end of file or in	front of newli	ne immediately before eof
٨	0 chars at start of line	\$	at end of line
\b	0 chars at word boundary	\B	not at a word boundary
	dot/period matches any 1	character exc	cept newline, but see (?s)
\\ \^ \.	match literal backslash, ca backslash escape is also no		atch \$() * ? {}[] +
\t	tab; equivalently, \x09		
\n	newline/"linefeed"	\r	in BBEdit, identical to \n
\0 377	(backslash, zero) octal coo	le [deprecated	d, use hex codes instead]
\ x ff	hexadecimal code	\x{ffff}	hexadecimal code
\s	whitespace character	\\$	non-whitespace char
\w	word char, equivalent to [a-zA-Z0-9etc]	\W	non-word char (incl. newline)
\d	digit	\D	nondigit (incl. newline)
[abc] [^abcx-z]	any single char in set (see also Posix classes) any single char (possibly \	[<i>a-z</i>] n) <i>not</i> in spec	any single character in specified range ified characters or range[s]

[^abcx-z]	any single char (possibly v	n) not in spec	ined characters or range[s]
ALTERNATIVE	S/SUBPATTERNS		
$p \mid q$	alternation, match p or match q ; also, $p q r s$		
(p)	subpattern (capture)	\1 \99	backreference to subpattern capture
(?: p)	subpattern (noncapture /	cluster-only)	
(?P <a>p)	name a for subpattern p (named capture)	(?P=a)	backreference to named capture
Quantifiers			
p ?	zero or one (greedy)	p ??	zero or one (nongreedy)
p*	zero or more (greedy)	p *?	zero or more (nongreedy)
p +	one or more (greedy)	p +?	one or more (nongreedy)
p {n}	exactly <i>n</i> (greedy)	p{n}?	exactly <i>n</i> (nongreedy)
p {m,}	at least <i>m</i> (greedy)	p {m,}?	at least <i>m</i> (nongreedy)
p {m, n}	at least <i>m</i> , but no more than <i>n</i> (greedy)	p {m, n}?	at least <i>m</i> , but no more than <i>n</i> (nongreedy)
_			

SERTIONS match 0 characte	ers	
negative lookbehind: match subpattern only if not preceded by x	(?!x)	negative lookahead: match subpattern only if not followed by x
positive lookbehind: match subpattern only if preceded by x	(?=x)	positive lookahead: match subpattern only if followed by x
	negative lookbehind: match subpattern only if not preceded by x positive lookbehind: match subpattern only if	match subpattern only if not preceded by x positive lookbehind: (?=x) match subpattern only if

CONDITIONAL SUBPATTERNS

(?(k)y)	if subpattern number k matched, attempt match of y-clause, else, skip; for named subpattern, (?(P <a>) y)
(?(k)y n)	if subpattern number <i>k</i> matched, attempt match of <i>y</i> -clause; else, attempt match of <i>n</i> -clause

ONCE-ONLY SUBPATTERNS (NONCAPTURING)

(?>p) If p matches, prevent backtracking in p

COMMENT in (?x) mode, # starts comment until and including newline; also ... (?#comment) enclosed text is ignored, whether or not x-mode is set