Matching single	characters					
Action	BRE	ERE (plus features only in Tcl)	EMACS	VIM	PCRE (plus features only in Perl 5)	PSIX
Match the specified char once	Any single character except: . \ ^ \$ [*	Any single character except: . \ ^ \$ [* () + ? {	Any single character except: . \ ^ \$ [* () + ? {	Any single character except: . \ ^ \$ * ~	Any single alphanumeric or any of: ~! % & _ ` - = @ :; " ' < > , /	Any single unescaped alphanumeric or any single escaped non-alphanumeric
Match any one char				\	\p{Any} (?s:.)	<:Any>
Match any one char except an end-of-line marker					\N	\N
Match any one of the enclosed characters	[XXX]	[XXX]	[XXX]	[XXX]	[XXX] (?[XXX])	<[XXX]>
Match any one character not specified within	[^ <i>XXX</i>]	[^ <i>XXX</i>]	[^ <i>XXX</i>]	[^ <i>XXX</i>]	[^XXX] (?[!{XXX]])	<-[XXX]>
Match one alarm (beep, bell) char		\a	\a		\a	\a
Match one escape char					\e	\e
Match one formfeed char		\f	\f		\f	\f
Match one linefeed/newline char		\n	\n		\n	\c[NL]
Match one carriage return char		\r	\r		\r	\r
Match one tab char		\t	\t		\t	\t
Match one char (specified as octal)		\077 \0777			\777 \0{ <i>7777</i> }	\o <i>77</i> \o[<i>7777</i>]
Match one char (specified as hex)		\x <i>FF</i> \x{ <i>FFFF</i> }	\x <i>FF</i> \x{ <i>FFFF</i> }		\x <i>FF</i> \x{ <i>FFFF</i> } \u <i>FFFF</i>	\x <i>FF</i> \x[<i>FFFF</i>]
Match one named Unicode char		\uFFFF \UFFFFFF			\ <i>N{NAME}</i> \ <i>N{U+FFFF</i> }	\c[<i>NAME</i>]
Match one control char (specified by single-letter name)					\cA	\c <i>A</i>
Match one digit		\d	\d	\d	\d	\d

Matching single	BRE	EDE	EMACS	VIM	DCDE	DCIV
Action	BRE	ERE (plus features only in Tcl)	EMACS	VIVI	PCRE (plus features only in Perl 5)	PSIX
Match one non-digit		\D	\D	\D	\D	\D
Match one identifier character		\w	\w \sw \s_	\w	\w	\w
Match one character that is not an identifier character		\W	\W \Sw \S_	\W	\W	\W
Match one whitespace character		\s	\s-	\s	\s	\s
Match one character that is not whitespace		\\$	\S-	\\$	\\$	\\$
Match one horizontal whitespace					\h	\h
Match one character that is not horizontal whitespace					\H	\H
Match one vertical whitespace character					\v	\v
Match one character that is not vertical whitespace					\V	\V
Match one Unicode newline character (or sequence)					\R	\n
Match one native char					\C	[:bytes .]
Match one Unicode extended grapheme					\X	<.>
Match one character with the specified Unicode property					\p <i>X</i> \p{ <i>NAME</i> }	<: NAME>
Match one character without the specified Unicode property					\P <i>X</i> \P{ <i>NAME</i> }	<-: NAME>
Escape the following metacharacter	\	\	\	\	\	\
Escape the enclosed metacharacters						' METAS' "METAS"

Action	BRE	ERE	EMACS	VIM	PCRE	PSIX
		(plus features only in Tcl)			(plus features only in Perl 5)	
Match preceding atom zero or more times (maximally)	A*	A*	A*	A* A\{}	A*	A*
Match preceding atom zero or more times (minimally)		A*?	A*?	A\{-}	A*?	A*?
Match preceding atom zero or more times (possessively)					A*+	A*+ A*:
Match preceding atom 1 or more times (maximally)		A+	A+	A\+	A+	A+
Match preceding atom 1 or more times (minimally)		A+?	A+?	A\{-1,}	A+?	A+?
Match preceding atom 1 or more times (possessively)					A++	A++ A+:
Match preceding atom zero or 1 times (maximally)		A?	A?	A\? A\=	A?	A?
Match preceding atom zero or 1 times (minimally)		A??	A??	A\{-0,1}	A??	A??
Match preceding atom zero or 1 times (possessively)					A?+	A?+ A?:
Match preceding atom <i>M</i> times (maximally)	A\{M\}	A{M}	A\{M\}	A\{M}	A{M}	A ** M
Match preceding atom <i>M</i> or more (maximally)	<i>A</i> \{ <i>M</i> ,\}	A{M,}	<i>A</i> \{ <i>M</i> ,\}	A\{M,}	A{M,}	A ** M*
Match preceding atom M to N times (maximally)	<i>A</i> \{ <i>M</i> , <i>N</i> \}	A{M, N}	<i>A</i> \{ <i>M</i> , <i>N</i> \}	A\{M,N}	A{M, N}	A ** MN
Match preceding atom <i>M</i> times (minimally)		A {M} ?		A\{-M}	A{M}?	A **? M

Action	BRE	ERE	EMACS	VIM	PCRE	PSIX
		(plus features only in Tcl)			(plus features only in Perl 5)	
Match preceding atom <i>M</i> or more (minimally)		A{M,}?		A\{-M,}	A{M,}?	A **? M*
Match preceding atom M to N times (minimally)		A {M, N}?		A\{-M,N}	A{M, N}?	A **? MN
Match preceding atom <i>M</i> times (possessively)					A{M}+	A ** M:
Match preceding atom <i>M</i> or more (possessively)					A{M,}+	A ** M* :
Match preceding atom M to N times (possessively)					A{M, N}+	A ** MN :
Match specified separator between preceding repetitions						REP % SEP REP %% SEP
Match as much of the enclosed sequence as possible				\%[SEQUENCE]		<*SEQUENCE>
Rematch exact substring previously matched by <i>N</i> th group	\N	\N	\ W	\N	\ <i>N</i> \g <i>N</i> \g{ <i>N</i> }	\$ <i>N</i>
Rematch exact substring previously matched by <i>N</i> th group before current position					\g-N \g{-N}	
Rematch exact substring previously matched by named					\g{NAME} \k <name> \k'NAME' \k{NAME} (?P=NAME)</name>	\$ <name></name>
Escape all subsequent metacharacters until \E		\Q			\Q	
End of escaped sequence		∖E			\E	

Grouping and cap	Grouping and capture									
Action	BRE	ERE	EMACS	VIM	PCRE	PSIX				
Group and capture (group is numbered by order of opening bracket)	\(SUBPAT \)	(SUBPAT)	\(SUBPAT \)	\(SUBPAT \)	(SUBPAT)	(SUBPAT)				
Group and capture (group is numbered explicitly)			\(?N: SUBPAT \)		(? <n> SUBPAT)</n>	\$N=(SUBPAT)				
Group and capture (group is named explicitly)					(? <name> SUBPAT) (?'NAME' SUBPAT) (?P<name> SUBPAT)</name></name>	\$ <name>=(SUBPAT)</name>				
Group but don't capture		(?: SUBPAT)	\(?: SUBPAT \)	\%(SUBPAT \)	(?: SUBPAT)	[SUBPAT]				

Zero-width assertion	ıs					
Action	BRE	ERE (plus features only in Tcl)	EMACS	VIM	PCRE (plus features only in Perl 5)	PSIX
Delimited comment		(?# COMMENT)			(?# COMMENT)	#`(COMMENT)
Single-line comment		# COMMENT			# COMMENT	# COMMENT
Match position is at start of string/file	٨	^ \A	\`	\%^	^ \A	^
Match position is at start of any line within the string/file			٨	^ _^	(?m:^)	۸۸
Match position is at end of string/file (with optional final newline)		\Z			\Z \$	
Match position is at end of string/file	\$	\$	\'	\%\$	\z	\$
Match position is at end of any line within the string/file (with optional newline)			\$	\$ _\$	(?m:\$)	\$\$
Match position is at index <i>N</i> in string						at:N
Match position is at line <i>N</i> of file				\%M		

Zero-width assertion	ıs					
Action	BRE	ERE (plus features only in Tcl)	EMACS	VIM	PCRE (plus features only in Perl 5)	PSIX
Match position is at column <i>N</i> of file				\% <i>N</i> c		
Match position is at virtual column <i>N</i> of file				\%Mv		
Match position is at an identifier boundary		\b \ <i>y</i>	\b		\b	<wb></wb>
Match position is not at an identifier boundary		\B \ <i>Y</i>	\B		∖B	wb !w
Match position is at the start of an identifier		\< \m	\< _<	\<		<< «
Match position is at the end of an identifier		\> \M	\> _>	\>		>> »
Match position is at the "start-of-match" position (usually where previous match finished, or at explicit starting offset)					\G	
Substring following current position would match the enclosed subpattern ("positive lookahead")		(?= SUBPAT)		\%(SUBPAT \)\@=	(?= SUBPAT)	before SUBPAT
Substring following current position would not match the enclosed subpattern ("negative lookahead")		(?! SUBPAT)		\%(SUBPAT \)\@!	(?! SUBPAT)	before SUBPAT
Substring preceding current position would match the enclosed subpattern ("positive lookbehind")				\%(SUBPAT \)\@<=	(?<= SUBPAT)	after SUBPAT
Substring preceding current position would not match the enclosed subpattern ("negative lookbehind")				\%(SUBPAT \)\@ </td <td>(?<!-- SUBPAT)</td--><td><!--after SUBPAT--></td></td>	(? SUBPAT)</td <td><!--after SUBPAT--></td>	after SUBPAT

Flow of control							
Action	BRE	ERE	EMACS	VIM	PCRE		PSIX
If left subpattern fails to match, try to match right subpattern from same starting position (i.e. lhs <i>OR</i> rhs)		I	XI.	\I	1		11
Match both left and right subpatterns and accept the longer match of the two							I
If the left subpattern matches, try to match the right from the same starting position (i.e. lhs <i>AND</i> rhs)				\&			&& &
Call independent subpattern					(?& <i>NAME</i>)		<name></name>
Match the enclosed subpattern if the specified capture group has already successfully matched					(?(N) (?(-N) (?(+N) (?(<name>) (?('NAME') (?(NAME)</name>	SUBPAT) SUBPAT) SUBPAT) SUBPAT) SUBPAT) SUBPAT)	[{ ?\$N } SUBPAT] [{ ?\$<NAME }> SUBPAT]
Match one of two subpatterns depending on whether the specified capture group has successfully matched or not					(?(N) (?(-N) (?(+N) (?(<name>) (?('NAME') (?(NAME)</name>	YES NO)	[{ ?\$N } YES NO] [{ ?\$<NAME }> YES NO]
Match the enclosed subpattern if currently recursively matching within the specified group					(?(N) (?(-N) (?(+N) (?(<name>) (?('NAME') (?(NAME)</name>	SUBPAT) SUBPAT) SUBPAT) SUBPAT) SUBPAT) SUBPAT)	

Flow of control						
Action	BRE	ERE	EMACS	VIM	PCRE	PSIX
Match one of two subpatterns depending on whether currently recursively matching within the specified group					(?(R)	
Recursively match subpattern number <i>N</i>					(?N) \g <n> \g'N'</n>	<~~ <i>N</i> >
Recursively match Nth previous subpattern					(?-N) \g<-N> \g'-N'	
Recursively match Nth next subpattern					(?+N) \g<+N> \g'+N'	
Recursively match complete surrounding pattern					(?R) (?0)	<~~>
Recursively match named subpattern					(?& <i>NAME</i>) (?P> <i>NAME</i>) \g< <i>NAME</i> >	<name> <~~NAME></name>

Code execution within matches									
Action	BRE	ERE	EMACS	VIM	PCRE (plus features only in Perl 5)	PSIX			
Execute embedded code					(?{ CODE })	{ CODE }			
Execute embedded code then match the result as a regex					(??{ CODE })	<{ CODE }>			
Execute embedded code and fail if result is false						{ CODE }			
Execute external "callout" code, passing the identifier <i>N</i> (or zero by default)					(?C) (?CN)				

Action	BRE	ERE	EMACS	VIM	PCRE	PSIX
		(feature			(plus features	
		only in Tcl)			only in Perl 5)	
Exclude anything				\zs	\K	<(
already matched						
before this point from						
final reported match						
substring						
Keep matching but				\ze)>
exclude anything						
matched after this						
point from final						
reported match						
substring						
Restart numbering of					(?I SUBPAT)	default behaviour
capture groups in						
each separate branch						
within the enclosed						
subpattern						
Specify a special					(?(DEFINE) DEFNS)	[DEFNS]
region in which						
named subpatterns						
may be declared, but						
which never matches						
directly (only via						
subpattern calls)						
Cumulatively enable		(?bceimnpqstwx)			(?imsx-imsx)	:i :!i
or disable pattern					(?adlupimsx-imsx)	:s :!s
modifiers for						:P5 :!P5
remainder of current						:r :!r
subpattern (specify						
any one or more of						:bytes :!bytes
the modifier letters)						:chars :!chars
Cumulatively enable					(?imsx-imsx: SUBPAT)	[:i :!s <i>SUBPAT</i>]
or disable pattern					(?adluimsx-imsx: SUBPAT)	
modifiers for enclosed						
subpattern (specify						
any one or more of						
the modifier letters)						

Backtracking cont	rol					
Action	BRE	ERE	EMACS	VIM	PCRE	PSIX
Prohibit backtracking within the enclosed subpattern				\%(SUBPAT \)\@>	(?> SUBPAT)	[:r SUBPAT]
Immediately cease matching current pattern (or recursive subpattern) and signal a successful match					(*ACCEPT)	
Immediately backtrack					(*FAIL)	
If backtracking ever reaches this directive, cause the entire surrounding pattern match to fail completely.					(*COMMIT)	<commit></commit>
Skip immediately to the next available alternation (i.e. to after the next operator) if backtracking ever reaches this directive. If the entire pattern ultimately matches, report back the associated name, if one is specified.					(*THEN)	::
Report back specified name if match succeeds					(*MARK: <i>NAME</i>) (*: <i>NAME</i>)	

Backtracking control									
Action	BRE	ERE	EMACS	VIM	PCRE	PSIX			
If backtracking ever reaches this directive, cause the entire surrounding pattern match to fail at the current starting point (and move on to the next possible starting point). If the entire pattern ultimately matches, report back			Emilos		(*PRUNE) (*PRUNE: NAME)				
the associated name, if one is specified.									
If backtracking ever reaches this directive, cause the entire surrounding pattern match to fail at the current starting point. Move the starting point past the place in the string where this directive was encountered.					(*SKIP)				
If backtracking ever reaches this directive, cause the entire surrounding pattern match to fail at the current starting point. Move the starting point past the place in the string where the last (*MARK: NAME) was matched.					(*SKIP: <i>NAME</i>)				

Regular expression basic metasyntax summary										
	BRE ("Just the basics")	ERE ("The standard core")	EMACS ("Extra backslashes")	VIM ("Mostly backslashes")	PCRE ("One with the lot")	PSIX ("Total resyntax")				
Any charexcept newline	·	·		\ ·	\p{Any} (?s:.) \N .	<:Any> . \N				
Charsetanything except	[<i>XXX</i>] [^ <i>XXX</i>]	[<i>XXX</i>] [^ <i>XXX</i>]	[<i>XXX</i>] [^ <i>XXX</i>]	[<i>XXX</i>] [^ <i>XXX</i>]	[<i>XXX</i>] [^ <i>XXX</i>]	<[XXX]> <-[XXX]>				
Digit/ident/spaceanything except		\d \w \s \D \W \S	\d \w \s- \D \W \S-	\d \w \s \D \W \S	\d \w \s \h \v \R \D \W \S \H \V	\d \w \s \h \v \n \D \W \S \H \V				
Start/end of str Start/end of line	^ \$	^ \$	\`\' ^ \$	\%^ \%\$ _^ _\$	\A \z \Z (?m:^) (?m:\$)	^ \$ ^^ \$\$				
Alternation		I	\I	\I	1	1 11				
Loops: Maximal Minimal Possessive	<i>A</i> *	A* A+ A? A*? A+? A??	A* A+ A? A*? A+? A??	A* A\+ A\?	A* A+ A? A*? A+? A?? A*+ A++ A?+	A* A+ A? A*? A+? A?? A*: A+: A?:				
Maximal range Minimal range Possessive range		A{M,N}	<i>A</i> \{ <i>M</i> , <i>M</i> \}	A\{M, N} A\{-M, N}	A{M, N} A{M, N}? A{M, N}+	A ** MN A **? MN A ** MN:				
Capture Numbered Named	\(SUBPAT \)	(SUBPAT)	\(SUBPAT \) \(?N: SUBPAT \)	\(SUBPAT \)	(SUBPAT) (? <n> SUBPAT) (?<name> SUBPAT)</name></n>	(SUBPAT) \$N=(SUBPAT) \$ <name>=(SUBPAT)</name>				
Non-capture		(?: SUBPAT)	\(?: <i>SUBPAT</i> \)	\%(<i>SUBPAT</i> \)	(?: SUBPAT)	[SUBPAT]				
Non-backtracking				\%(<i>SUBPAT</i> \)\@>	(?> SUBPAT)	[:r SUBPAT]				
Call to subpattern					(?& <i>NAME</i>)	<name></name>				
Ident boundariesnot at boundary		\< \b \> \B	\< \b \> \B	\< \>	\b \B	<< <wb> >> <!--wb--></wb>				
+'ve lookahead -'ve lookahead +'ve lookbehind -'ve lookbehind				\%(SUBPAT \)\@= \%(SUBPAT \)\@! \%(SUBPAT \)\@<= \%(SUBPAT \)\@ </td <td>(?= SUBPAT) (?! SUBPAT) (?<= SUBPAT) (?<!-- SUBPAT)</td--><td><pre><?before SUBPAT> <!--before SUBPAT--> <?after SUBPAT> <!--after SUBPAT--></pre></td></td>	(?= SUBPAT) (?! SUBPAT) (?<= SUBPAT) (? SUBPAT)</td <td><pre><?before SUBPAT> <!--before SUBPAT--> <?after SUBPAT> <!--after SUBPAT--></pre></td>	<pre><?before SUBPAT> <!--before SUBPAT--> <?after SUBPAT> <!--after SUBPAT--></pre>				
Escape a meta	\	\	\	\	\	\ "" ""				