



((RegularExpression))

()

“ ” “ ”

“ ”가

가

가 “가”

가

가

가

RegularExpressionValidator

가

가

URL

href

HTML

HTML

가

• ; ,

• () ;

• ;

가

Notes	c# c++
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1.

가 가
가 가
가 가
가 가

(: a z)

가

VBScript	
<code>^ls*\$</code>	.
<code>\d{2}-\d{5}</code>	2 , 5 ID
<code><ls*(\S+)(\s[^\s]*)?>[\s\S]*<ls*\V1\s*></code>	.

.(

.)

<code>\</code>	, 'n' "n" '\n' , '\t' '\t' '\(' '('
<code>^</code>	RegExp Multiline ^ '\n' '\r'
<code>\$</code>	RegExp Multiline \$ '\n' '\r'
<code>*</code>	0 , 'zo*' "z", "zoo" . * {0,}
<code>+</code>	, 'zo+' "zo", "zoo" "z" . + {1,}
<code>?</code>	0 , "do(es)?" "do" "does" "do" . ? {0,1}
<code>{n}</code>	<i>n</i> , 'o{2}' "Bob" "o" "food" o
<code>{n,}</code>	<i>n</i> , 'o{2}' "Bob" "o" "fooooood" o . 'o{1,}' 'o+'

	, 'o{0,}' 'o*' .
{n,m}	<p>m n . m n .</p> <p>n , m , "o{1,3}" "fooooood"</p> <p>o . "o{0,1}" "o?" .</p>
?	<p>가 (*, +, ?, {n}, {n,}, {n,m})</p> <p>가</p> <p>가</p> <p>"oooo" "o+?" "o" , "o+" "o" .</p>
.	<p>"\n" . '\n'</p> <p>'[s\S]'</p>
(pattern)	<p>Matches</p> <p>(\$0...\$9)</p> <p>() \' \'</p>
(?:pattern)	<p>pattern . ,</p> <p>"or" ()</p> <p>'industr(?:y ies)' 'industry industries'</p>
(?=pattern)	<p>pattern</p> <p>,"Windows(?:=95 98 NT 2000)"</p> <p>"Windows 2000" "Windows" "Windows 3.1" "Windows"</p> <p>가</p>
(?!pattern)	<p>pattern</p> <p>"Windows(?:!95 98 NT 2000)" "Windows 3.1" "Windows"</p> <p>"Windows 2000" "Windows"</p> <p>가</p>

x y	x y , "z food" "z" "food"
[xyz]	"(z f)ood" "zood" "food" , "[abc]"
[^xyz]	"[^abc]" "plain" "p" ,
[a-z]	"a" "z" , "[a-z]"
[^a-z]	"[^a-z]" "a" "z" ,
\b	"never" "er" "verb" "er" , "er\b"
\B	"er" "er\b" "verb" "er" "never"
\cx	X 가 , \cM Control-M , x A-Z a-z c "c"
\d	[0-9]
\D	[^0-9]
\f	\x0c \cL
\n	\x0a \cJ
\r	\x0d \cM
\s	"[\f\n\r\t\v]"
\S	[^\f\n\r\t\v]
\t	\x09 \cI
\v	\x0b \cK
\w	"[A-Za-z0-9_]"

\W	.[^A-Za-z0-9_]"
\xn	n 16 , '\x41' "A" '\x041' '\x04' "1" ASCII
\num	num , '(.)\1'
\n	8 \n n n 0 7 8 n 8
\nm	8 \nm nm nm 가 n n m 0 7 8 \nm 8 nm
\nml	n 0 3 8 m l 0 7 8 8 nml
\un	n 4 16 , \u00A9 (©)

2.

가

\	
(), (?:), (?=), []	

*, +, ?, {n}, {n,}, {n,m}	
^, \$, \ ,	

가 . 'm | food' "m"
 "food" . "mood" "food"
 '(m | f)ood' .

3.

([])

. 가 a ~ f 가

- [abcdef]
- [a-f]

(-)

Chapter 1, Chapter 2, Chapter 3,
 Chapter 4, Chapter 5

Chapter [12345] Chapter [1-5]

“-”
 ([\-]) 가

- [abcdef-]
- [a-f-]

(^)

. 가 Chapter [^12345] Chapter 1 ~ Chapter 5
 . Chapter 6 Chapter 12 .

(^) 가 .

a A 가 [a-z]

[a-zA-Z] .

(.) (-), (^) 가

가 "a.c" a c 가

aBc, a%c, a-c .

4.

가
가 .

*	0 . , zo* z zoo . * {0,}
+	1 . , zo+ zo zoo z . + {1,}
?	0 1 . , do(es)? do does do . ? {0,1}
{n}	n . n . , o{2} Bob o food o .
{n,}	n . n . , o{2,} Bob o foood o . o{1,} o+ o{0,} o*
{n,m}	M n . n <= m . n m . , o{1,3} foood 3 o . o{0,1} o?

Chapter

→ Chapter [1-9][0-9]*

“*”
 Chapter 1 9
 Chapter 11 Chapter 222

“*” “+”
 Chapter Chapter
 Chapter 가 2 Chapter 1~Chapter 99
 Chapter Chapter [1-9][0-9]{0,1}

- Chapter [1-9][0-9]?
- Chapter [1-9][0-9]{0,1}

(*, +, ?) 가 greedy
 가

<H1> Chapter 1 </H1>

“<.*>” H1 “<” H1 가
 “>” “H1” “H1> Chapter
 ... /H1” H1
 non-greedy non-greedy

“<.*?>”

greedy <H1> non-
 *, +, ? ?

5.

Chapter 가
 가 . 가가
 [: 가 Chapter]
 Chapter Chapter
 Chapter Chapter
 Chapter Chapter

^	Regex Multiline ^ \n \r
\$	Regex Multiline \$ \n \r , 가
\b	,
\B	.

가 "^^"
 "^^"
 not
 "^^"
 (^ \s*\$:
 (, ,)
 가 Chapter

Chapter

- ^Chapter [1-9][0-9]?
- ^Chapter [1-9][0-9]{0,1}

Chapter

Chapter

- ^Chapter [1-9][0-9]?\$
- ^Chapter [1-9][0-9]{0,1}\$

/b

가

Chapter

ter

ter

- *ter*/b

가 Cha

- /bCha

/B

/b

/Bapt

Chapter

aptitude

6.

“|”

Chapter 1, Section 1

- Chapter [1-9] | Section [1-9]

“|”

“Chapter 1”

“Chapter”

- Chapter | Section [1-9]

(())

- (Chapter | Section) [1-9]