

C# - GROUPING CONSTRUCTS

http://www.tutorialspoint.com/csharp/csharp_grouping_constructs.htm

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Grouping constructs delineate sub-expressions of a regular expression and capture substrings of an input string. The following table lists the grouping constructs:

Grouping construct	Description	Pattern	Matches
<i>subexpression</i>	Captures the matched subexpression and assigns it a zero-based ordinal number.	<code>\w\1</code>	"ee" in "deep"
<code>? < name > subexpression</code>	Captures the matched subexpression into a named group.	<code>? < double > \w \k< double></code>	"ee" in "deep"
<code>? < name1 – name2 > subexpression</code>	Defines a balancing group definition.	<code>((?'Open'\([^\]) * + (?'Close' – Open'\) [^\]) * +)* ?(Open?!)\$</code>	"(1 – 3*3 – 1)" in "3+2^(1 – 3*3 – 1)"
<code>? : subexpression</code>	Defines a noncapturing group.	<code>Write?:Line?</code>	"WriteLine" in "Console.WriteLine"
<code>? imnsx – imnsx: subexpression</code>	Applies or disables the specified options within <i>subexpression</i> .	<code>A\d{2}?i:\w+ \b</code>	"A12xl", "A12XL" in "A12xl A12XL a12xl"
<code>? = subexpression</code>	Zero-width positive lookahead assertion.	<code>\w+? = \.</code>	"is", "ran", and "out" in "He is. The dog ran. The sun is out."
<code>? !subexpression</code>	Zero-width negative lookahead assertion.	<code>\b?!un\w+\b</code>	"sure", "used" in "unsure sure unity used"
<code>? <= subexpression</code>	Zero-width positive lookbehind assertion.	<code>? <= 19\d{2}\b</code>	"51", "03" in "1851 1999 1950 1905 2003"
<code>? < !subexpression</code>	Zero-width negative lookbehind assertion.	<code>? < !19\d{2}\b</code>	"ends", "ender" in "end sends endure lender"
<code>? > subexpression</code>	Nonbacktracking or "greedy" subexpression.	<code>[13579] ? > A + B +</code>	"1ABB", "3ABB", and "5AB" in "1ABB 3ABBC 5AB 5AC"

Processing math: 100%