Cheatography

.Net Regular Expressions Cheat Sheet by djhansel via cheatography.com/21044/cs/3891/

Characters

The following expressions will match single characters. For more information see Microsoft's article on Character Classes.

| Characters | |
|---------------------|---|
| Ordinary characters | Characters other than . $ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$ |
| | Matches any character excluding the line feed. Includes the line feed in single-line mode. |
| [abc] | A character class (may contain more than one character). Matches any character that is contained within the brackets, in no particular order. |
| [^abc] | The opposite of []. Matches all characters not contained within the brackets. |
| [a-z] | Character range: Matches any single character in the range from first (a) to last (z). |
| \w | Matches an alpha-numeric character (a-z, A-Z, 0-9, and underscore). |
| \W | The opposite of \w. Matches any non-alphanumeric character. |
| \d | Matches a decimal character (0-9). |
| \D | The opposite of \d. Matches any non-decimal character. |
| \ s | Matches a character of whitespace (space, tab, carriage return, line feed). |
| \S | The opposite of \s. Matches any non-whitespace character. |
| \r | Matches a carriage return. |
| \n | Matches a new line (line feed). |
| \f | Matches a form feed. |

| Charact | Characters (cont) | |
|------------------------|--|--|
| \t | Matches a tab. | |
| \v | Matches a vertical tab. | |
| ∖a | Matches a bell character. | |
| \b | In a character class, matches a backspace. | |
| \ e | Matches an escape. | |
| \040 | Uses octal representation to specify a character (octal consists of up to three digits). | |
| \ x 20 | Uses hexadecimal representation to specify a character (hex consists of exactly two digits). | |
| \ c 0003 | Matches the specified 4-digit ASCII control character. | |
| \ u 0020 | Matches a Unicode character by using hexadecimal representation (exactly four digits). | |
| \ p{ nam e} | Matches any single character in the Unicode general category or named block specified by name. | |
| \ P {na- me} | Matches any single character that is not in the Unicode general category or named block specified by name. | |
| / | In front of any of the special characters (. $ \ () + ?),$ this will match the character itself. | |
| Assertio | Assertions | |

The following expressions specify the location to search for a match, but do not match anything themselves.

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| Assertions | | |
|----------------------|---|--|
| ٨ | The match must start at the beginning of the string (or beginning of the line in multiline mode). | |
| \$ | The match must occur at the end of the string or before \n at the end of the string (or end of the line in multiline mode). | |
| A/ | The match must occur at the start of the string. | |
| \Z | The match must occur at the end of the string or before \n at the end of the string. | |
| \z | The match must occur at the end of the string. | |
| \G | The match must occur at the point where the previous match ended. | |
| \b | Asserts a boundary between word and non-word characters. | |
| \B | The opposite of \b. Asserts a location that is not a boundary between word and non-word characters. | |
| (? =patte rn) | Asserts that the specified pattern exists immediately after this location. Known as a positive lookahead. | |
| (?!patt ern) | Asserts that the specified pattern does not exist immediately after this location. Known as a negative lookahead. | |
| (? <=pat tern) | Asserts that the specified pattern exists immediately before this location. Known as a positive lookbehind. | |
| (? patt<br ern) | Asserts that the specified pattern does not exist immediately before this location. Known as a negative lookbehind. | |

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