C# - CHARACTER ESCAPES

These are basically the special characters or escape characters. The backslash character (\) in a regular expression indicates that the character that follows it either is a special character or should be interpreted literally.

The following table lists the escape characters:

Escape character	Description	Pattern	Matches
\a	Matches a bell character, \u0007.	\a	"\u0007" in "Warning!" + '\u0007'
\b	In a character class, matches a backspace, \u0008.	[\b]{3,}	"\b\b\b\b" in "\b\b\b\b"
\t	Matches a tab, \u0009.	\w + \t	"Name\t", "Addr\t" in "Name\tAddr\t"
\r	Matches a carriage return, \u000D. $\r is not equivalent to the newline character$, \n.	\r\n\w +	"\r\nHello" in "\r\Hello\nWorld."
\v	Matches a vertical tab, \u000B.	[\v]{2,}	"\v\v\v" in "\v\v\v"
\f	Matches a form feed, \u000C.	[\f]{2,}	"\f\f\f" in "\f\f\f"
\n	Matches a new line, \u000A.	\r\n\w +	"\r\nHello" in "\r\Hello\nWorld."
\e	Matches an escape, \u001B.	\e	"\x001B" in "\x001B"
\nnn	Uses octal representation to specify a character $nnn consists of up to three digits$.	\w\040\w	"a b", "c d" in "a bc d"
\x nn	Uses hexadecimal representation to specify a character $nn consists of exactly two digits$.	\w\x20\w	"a b", "c d" in "a bc d"
\c X\c x	Matches the ASCII control character that is specified by X or x, where X or x is the letter of the control character.	\cC	"\x0003" in "\x0003" $Ctrl - C$
\u nnnn	Matches a Unicode character by using hexadecimal representation $exactly four digits$, $as represented by nnnn$.	\w\u0020\w	"a b", "c d" in "a bc d"
****	When followed by a character that is not recognized as an escaped character, matches that character.	\d+[\+-x*]\d+\d+[\+-x*\d+	"2+2" and "3*9" in "$2 + 2 *$ 3*9"

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