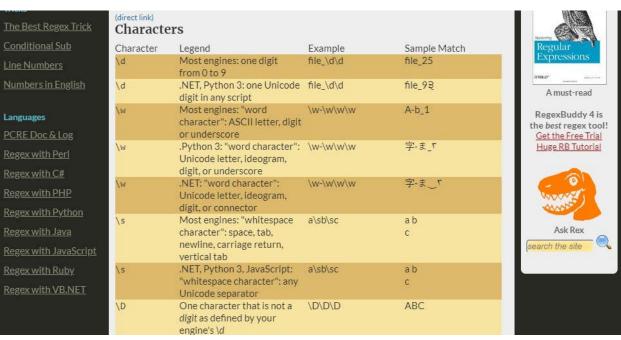
### **Regular Expressions Guides**

Here are a few links to RegEx guides favored by UNT catalogers (screenshots only cover a small portion of the resource):

### RexEgg

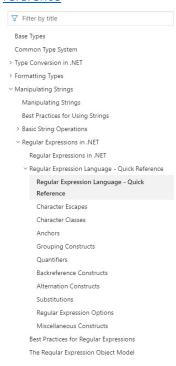
http://www.rexegg.com/regex-quickstart.html#ref

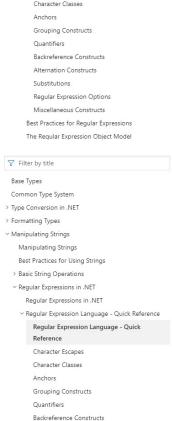




# Regular Expression Language Quick Reference

https://docs.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-language-quick-reference





Alternation Constructs
Substitutions
Regular Expression Options

### Regular Expression Language - Quick Reference

03/29/2017 • 10 minutes to read • 🥮 🌍 🚳 🚱 🕣 +11

A regular expression is a pattern that the regular expression engine attempts to match in input text. A pattern consists of one or more character literals, operators, or constructs. For a brief introduction, see <u>.NET Regular Expressions</u>.

Each section in this quick reference lists a particular category of characters, operators, and constructs that you can use to define regular expressions.

We've also provided this information in two formats that you can download and print for easy reference:

- . Download in Word (.docx) format
- Download in PDF (.pdf) format

#### **Character Escapes**

The backslash character (\) in a regular expression indicates that the character that follows it either is a special character (as shown in the following table), or should be interpreted literally. For more information, see Character Escapes.

Escaped character	Description	Pattern	Matches
\a	Matches a bell character, \u0007.	\a	"\u0007" in
			"Error!" +
			'\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	"item1\t",
			"item2\t" in
			"item1\titem2\t

#### **Regular Expression Options**

You can specify options that control how the regular expression engine interprets a regular expression pattern. Many of these options can be specified either inline (in the regular expression pattern) or as one or more RegexOptions constants. This quick reference lists only inline options. For more information about inline and RegexOptions options, see the article Regular Expression Options.

You can specify an inline option in two ways:

- By using the miscellaneous construct (?imnsx-imnsx), where a minus sign (-) before an option or set of options turns those
  options off. For example, (?i-mn) turns case-insensitive matching (i) on, turns multilline mode (m) off, and turns unnamed
  group captures (n) off. The option applies to the regular expression pattern from the point at which the option is defined, and
  is effective either to the end of the pattern or to the point where another construct reverses the option.
- $\bullet \ \ \text{By using the grouping construct (?imnsx-imnsx: } \textit{subexpression} \ ), \ \text{which defines options for the specified group only} \\$

The .NET regular expression engine supports the following inline options:

Option	Description	Pattern	Matches
i	Use case-insensitive matching.	\b(?i)a(?-i)a\w+\b	"aardvark", "aaaAuto" in
			"aardvark AAAuto aaaAuto Ada
			breakfast"
	Use multiline mode. ^ and \$ match the beginning	For an example, see the "Multiline	
	and end of a line, instead of the beginning and end	Mode" section in Regular Expression	
	of a string.	Options.	
n	Do not capture unnamed groups.	For an example, see the "Explicit	
		Captures Only" section in Regular	
		Expression Options.	

## Working With Base Types In .Net

http://ccftp.scu.edu.cn:8090/Download/6bcfea8f-7b55-485c-8795-df92bed197bb.pdf This PDF may also be downloaded from the above Quick Reference page.

### Contents

**Base Types** 

Common Type System

Type Conversion in .NET

Type Conversion Tables

Formatting Types

Standard Numeric Format Strings

**Custom Numeric Format Strings** 

Console.WriteLine exposes the same functionality as String.Format. The only difference between the two methods is that String.Format returns its result as a string, while Console.WriteLine writes the result to the output stream associated with the Console object. The following example uses the Console.WriteLine method to format the value of MyInt to a currency value.

```
int MyInt = 100;
Console.WriteLine("{0:C}", MyInt);
// The example displays the following output
// if en-US is the current culture:
// $100.00

Dim MyInt As Integer = 100
Console.WriteLine("{0:C}", MyInt)
' The example displays the following output
' if en-US is the current culture:
' $100.00
```

The following example demonstrates formatting multiple objects, including formatting one object two different ways.

# Dave Child's Regular Expressions Cheat Sheet

https://www.cheatography.com/davechild/cheat-sheets/regular-expressions/

### Regular Expressions Cheat Sheet by DaveChild

Quantifiers

0 or more

1 or more

A quick reference guide for regular expressions (regex), including symbols, ranges, grouping, assertions and some sample patterns to get you started.

{3,5}

Exactly 3

3 or more

3, 4 or 5



