

C# Data Types	
string	2 bytes/char
bool	
char	2 bytes
byte	1 byte
short	2 bytes
int	4 bytes
long	8 bytes
float	4 bytes
double	8 bytes
decimal	16 bytes

C# Arrays	
Array.Sort (array)	
Array.Sort (array, arr, arr)	
Array.Sort (array, array)	
Array.Clear(array, arr, array.length)	
Array.Copy (src, target, numelements)	

C# String Operations	
Compare	String.Compare (stra, strb, case, ci)
IndexOf	str.IndexOf (val, start, num)
LastIndexOf	Search from end of string
Replace	newstr = oldstr.Replace ("old", "new")
Split	Char[] delim = {",", " "}

C# Text Regular Expression	
+	Match one or more occurrence
*	Match zero or more occurrences
?	Matches zero or one occurrence
\d \D	Match decimal digit or non-char (\D)
\w \W	Match any word character or non-char
\s \S	Match whitespace or non-whitespace
[]	Match any character in set
[^]	Match any character not in set
a b	Either a or b
\n \r \t	New line, carriage return, tab
+	Match one or more occurrence

C# DateTime and TimeSpan	
DateTime (yr, mo, day)	
DateTime (yr, mo, day, hr, min, sec)	
DateTime.Parse ("1/1/2015")	
DateTime.Now	
currdt.AddDays (1)	
currdt.SubtractDays (1)	
TimeSpan (hrs, min, sec)	
TimeSpan.FromSeconds (120)	

C# Numeric Formatting		
C or c	{0:C2}, 1388.55	Currency
D or d	{0:D5}, 45	Must be integer value
E or e	{0,9:E2}, 1388.55	Must be floating point
F or f	{0,9:F2}, 1388.55	Fixed Point
N or n	{0,9:N1}, 1388.55	Insert commas
P or p	{0,9:P3}, .7865	Converts to percent
R or r	{0,9:R}, 3.14159	Retains all decimals
X or x	{0,9:X4}, 31	Converts to Hex

C# DateTime Formatting	
d	1/19/2015
D	Wednesday, January 19, 2015
F	Wednesday, January 19, 2015 4:05:20 PM
f	Wednesday, January 19, 2015 4:05 PM
g	1/19/2015 4:05 PM
G	1/19/2015 4:05:20 PM
M or m	January 19
Y or y	January, 2015
t	4:05 PM
T	4:05:20 PM
s	2015-01-19T16:05:20
u	2015-01-19 16:05:20Z
	Wednesday, January 19, 2015
U	21:05:20PM