

C# 書式

[C#]

String.Format

■ 複合書式指定文字列

{ index[,alignment][:formatString]}

要素	内容
index	対応する項目を識別するための 0 から始まる数値
alignment	省略可能、書式設定フィールドの幅を指定する符号付き整数
formatString	式設定されるオブジェクトの種類に適した書式指定文字列。指定する場合、コロンが必要

コード例

```
outputBlock.Text += "Standard Numeric Format Specifiers" + "\n";
s = String.Format(
    "(C) Currency: . . . . . {0:C}\n" +
    "(D) Decimal: . . . . . {0:D}\n" +
    "(E) Scientific: . . . . . {1:E}\n" +
    "(F) Fixed point: . . . . . {1:F}\n" +
    "(G) General: . . . . . {0:G}\n" +
    "    (default): . . . . . {0} (default = 'G')\n" +
    "(N) Number: . . . . . {0:N}\n" +
    "(P) Percent: . . . . . {1:P}\n" +
    "(R) Round-trip: . . . . . {1:R}\n" +
    "(X) Hexadecimal: . . . . . {0:X}\n",
    -123, -123.45f);
outputBlock.Text += s + "\n";

outputBlock.Text += "Standard DateTime Format Specifiers" + "\n";
s = String.Format(
    "(d) Short date: . . . . . {0:d}\n" +
    "(D) Long date: . . . . . {0:D}\n" +
    "(t) Short time: . . . . . {0:t}\n" +
    "(T) Long time: . . . . . {0:T}\n" +
    "(f) Full date/short time: . . {0:f}\n" +
    "(F) Full date/long time: . . . {0:F}\n" +
    "(g) General date/short time: . {0:g}\n" +
    "(G) General date/long time: . {0:G}\n" +
    "    (default): . . . . . {0} (default = 'G')\n" +
    "(M) Month: . . . . . {0:M}\n" +
    "(R) RFC1123: . . . . . {0:R}\n" +
    "(s) Sortable: . . . . . {0:s}\n" +
    "(u) Universal sortable: . . . {0:u} (invariant)\n" +
    "(U) Universal full date/time: {0:U}\n" +
    "(Y) Year: . . . . . {0:Y}\n",
    thisDate);
outputBlock.Text += s + "\n";

outputBlock.Text += "Standard Enumeration Format Specifiers" + "\n";
s = String.Format(
    "(G) General: . . . . . {0:G}\n" +
    "    (default): . . . . . {0} (default = 'G')\n" +
    "(F) Flags: . . . . . {0:F} (flags or integer)\n" +
    "(D) Decimal number: . . . . . {0:D}\n" +
    "(X) Hexadecimal: . . . . . {0:X}\n",
    Color.Green);
outputBlock.Text += s + "\n";
```

出力例

Standard Numeric Format Specifiers

(C) Currency: (\$123.00)
(D) Decimal: -123
(E) Scientific: -1.234500E+002
(F) Fixed point: -123.45
(G) General: -123
(default): -123 (default = 'G')
(N) Number: -123.00
(P) Percent: -12,345.00 %
(R) Round-trip: -123.45
(X) Hexadecimal: FFFFFFF85

Standard DateTime Format Specifiers

(d) Short date: 6/26/2004
(D) Long date: Saturday, June 26, 2004
(t) Short time: 8:11 PM
(T) Long time: 8:11:04 PM
(f) Full date/short time: . . . Saturday, June 26, 2004 8:11 PM
(F) Full date/long time: . . . Saturday, June 26, 2004 8:11:04 PM
(g) General date/short time: . 6/26/2004 8:11 PM
(G) General date/long time: . 6/26/2004 8:11:04 PM
(default): 6/26/2004 8:11:04 PM (default = 'G')
(M) Month: June 26
(R) RFC1123: Sat, 26 Jun 2004 20:11:04 GMT
(s) Sortable: 2004-06-26T20:11:04
(u) Universal sortable: . . . 2004-06-26 20:11:04Z (invariant)
(U) Universal full date/time: Sunday, June 27, 2004 3:11:04 AM
(Y) Year: June, 2004

Standard Enumeration Format Specifiers

(G) General: Green
(default): Green (default = 'G')
(F) Flags: Green (flags or integer)
(D) Decimal number: 3
(X) Hexadecimal: 00000003