

### Composite Format Item Syntax

```
{index[,alignment][:.formatString]}
```

### Explanation

The mandatory **index** component, also called a parameter specifier, is a number starting from 0 that identifies a corresponding item in the list of objects

The optional **alignment** component is a signed integer indicating the preferred formatted field width. If the value of alignment is less than the length of the formatted string, alignment is ignored and the length of the formatted string is used as the field width. The formatted data in the field is right-aligned if alignment is positive and left-aligned if alignment is negative. If padding is necessary, white space is used

The optional **formatString** component is a format string that is appropriate for the type of object being formatted

### </> index Example 1

```
String.Format("Prime numbers less than 10: {0}, {1}, {2}, {3}", 2, 3, 5, 7)
Prime numbers less than 10: 2, 3, 5, 7
```

### </> index Example 2

```
String.Format("0x{0:X} {0:E} {0:N}", Int64.MaxValue)
0x7FFFFFFFFFFFFFFF 9.223372E+018
9,223,372,036,854,775,807.00
```

### </> alignment Example

```
Dim names() As String = {"Adam", "Bridgette", "Carla", "Daniel", "Ebenezer", "Francine", "George"}
Dim hours() As Decimal = {40, 6.667D, 40.39D, 82, 40.333D, 80, 16.75D}
Console.WriteLine(String.Format("{0,-20} {1,5}", "Name", "Hours"))
Console.WriteLine()
For index As Integer = 0 To names.GetUpperBound(0)
    Console.WriteLine(String.Format("{0,-20} {1,5}", names(index), hours(index)))
Next
```

Name	Hours
Adam	40
Bridgette	6.667
Carla	40.39
Daniel	82
Ebenezer	40.333
Francine	80
George	16.75

### </> formatString Example

```
String.Format("Name = {0}, hours = {1:hh}, minutes = {1:mm}", DateTime.Now)
Name = Fred, hours = 11, minutes = 30
```

### Sources

Composite Formatting



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 Page 1 of 1.

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