

String Expression Directives

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String expression directives are a collection of directives that control the output of a string expression.

Conditional Directives: `{{#if}}`, `{{#else}}`, and `{{#endif}}`

The `{{#if}}`, `{{#else}}`, and `{{#endif}}` conditional directives are used to all part of an expression to be conditionally included or suppressed from the expression output.

Syntax

```
{{#if ( )}}  
  output  
{{#else}}  
  output  
{{#endif}}
```

The variable is a valid Boolean expression.

Example

Your request was `{{#if (Form1).Query("UACT1").Approved}}` approved `{{#else}}` declined `{{#endif}}`.

Iteration Directives: `{{#for}}` and `{{#endfor}}`

The `{{#for}}` and `{{#endfor}}` iteration directives are used to allow looping over Cora Sequence.

Syntax

```
{{#for ( ) }}  
  output  
{{#endfor}}
```

The variable is any valid expression.

Example

```
{{#for (Form1).Query("Employees") }}  
  
{{#endfor}}  
  
{{: it.FirstName }}           {{: it.LastName }}
```

Text Directive: `{{=}}`

The `{{=}}` text directive is used to insert an expression evaluation result into the output, without applying encoding.

Syntax

```
{{=  }}
```

The variable is any valid expression.

Example (XML)

```
{{= "1"  }}
```

This expression returns the following output:

```
1
```

Text Directive: {{:}}

The {{:}} text directive is used to insert an expression evaluation result into the output, with first applying encoding.

Syntax

```
{{:  }}
```

The variable is any valid expression.

Example (JSON)

```
{{#for ({{Form1}.Query("Employees").First()) }}  
{  
  Name: {{: it.Name }},  
  Email: {{: it.Email }},  
  BirthDay: {{: it.BirthDay }},  
}  
{{#endfor}}
```

This expression returns the following output:

```
{  
  Name: "Chuck Norris",  
  Email: null,  
  LastUpdatedOn: "2016-06-15T13:45:30",  
}
```

Example (XML)

```
{{: "Q&A"  }}
```

This expression returns the following output:

```
Q&A
```

Comment Directive: {{ * *}}

The comment directive allows you to add descriptive text to an expression.

Example

```
{{* This is a comment *}}
```

Expression Extension: #t

The #t expression extension provides additional information about an expression scope that is actively evaluating, specifically inside iteration directives. It exposes Cora SeQUENCE count and current element index properties.

Syntax

```
#t.Scope.Count
```

Returns the number of elements in the Cora SeQUENCE.

```
#t.Scope.Index
```

Returns the index of the element being iterated.

Example (JSON)

```
[
  {{#for ({{Form1}.Query("Products")) }}
  {
    Name: {{: ProductName }},
      Category: {{: CategoryName }},
      Price: {{: UnitPrice}}
    } {{#if (#t.Scope.Index < #t.Scope.Count-1) }},{{#endif}}
  {{#endfor}}
]
```