Overview

The Text Entry Control creates a text field which can accept user input and/or display information or program output. Text fields can include one or more lines, and can be up to 200 characters in length.

Ancestors:
- sashelp.fsp.Object.class
- sashelp.fsp.Widget.class
- sashelp.classes.UiControl.class

Class:
- sashelp.classes.Textentry_c.class

Using the Text Entry Control

Key properties to set

<table>
<thead>
<tr>
<th>dataType</th>
<th>attribute</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Specify the type of data that a text entry displays: character or numeric.</td>
</tr>
</tbody>
</table>

You can also query or set this attribute using SCL. For example, the following line of SCL code queries the data type being used:

```scl
class
choice
  = textentry1.dataType;
```
Specify the characters that appear in the text entry field by default. This attribute is only available if the dataType attribute is set to 'character.'

You can also query or set this attribute using SCL. For example, the following line of code sets the string that initially appears in the text entry field:

```sas
textentry1.text = 'Type Comments Here';
```

Note: The following line of code is also valid since the text attribute is the default attribute:

```sas
textentry1 = 'Type Comments Here';
```

Specify the numbers that appear in the text entry field by default. This attribute is only available if the dataType attribute is set to 'numeric.'

You can also query or set this attribute using SCL. For example, the following line of code sets the numbers that initially appear in the text entry field:

```sas
textentry1.value = '100';
```

### Build-time attributes

The following attribute is a build-time attribute, meaning it can only be set at build-time if you choose to use it:

- `borderStyle`

### Attributes

Public attributes specified for the Text Entry Control class are described here. See `sashelp.classes.Afcontrol.class` for inherited attributes.

### Dictionary

#### backgroundColor

Returns or sets the background color of a control

Type: Character

Valid Values: (All SAS-supported color values)

Editor: `sashelp.classes.colorEditor.frame`
**borderStyle**

Returns or sets the border style of a control

Type: Character

Valid Values: None, Native, Simple, Shadow, Button, Embossed

**conformSize**

Returns or sets whether to size the height of the control based on the font used for the text

Type: Character

Valid Values: Yes, No

**cursorPosition**

Returns or sets the position of the cursor in the text area of the control

Type: Numeric

Valid Values:

**dataType**

Returns or sets the type of data entered in the input area

Type: Character

Valid Values: Character, Numeric
defaultAttribute

Returns or sets the attribute name used for the object's default attribute

Type: Character
Valid Values: \$sashelp.classes.defaultattributevalues.scl

description

Returns the short description for the object

Type: Character
Valid Values:

dragInfo

Returns or sets the information that is transferred from the control when a drag operation occurs

Type: List
Valid Values:
Editor: SASHELP.FSP.DRAGDROPINFOEDITOR.FRAME

dropInfo

Returns or sets the information that defines the data representations that can be dropped on the control

Type: List
Valid Values:
Editor: SASHELP.FSP.DRAGDROPINFOEDITOR.FRAME
**editable**

Returns or sets whether the control is editable or read only

Type: Character
Valid Values: Yes, No

---

**font**

Returns or sets the font applied to the text

Type: List
Valid Values:
Editor: sashelp.classes.fontEditor3.scl

---

**format**

Returns or sets a SAS format to be applied to the text

Type: Character
Valid Values:
Editor: sashelp.classes.formatInformatEditor.scl

---

**informat**

Returns or sets a SAS informat to be applied to the text

Type: Character
Valid Values:
Editor:  sashelp.classes.formatlnformatEditor.scl

---

**keyFeedback**

*Returns or sets whether the key event is sent with every keystroke*

*Type:*  Character

*Valid Values:*  Yes, No

---

**markedText**

*Returns the marked text of the input area*

*Type:*  Character

*Valid Values:*

---

**maskCharacter**

*Returns or sets whether the control is to behave as a password field.*

*Type:*  Character

*Valid Values:*

---

**maximumCharacters**

*Returns or sets the maximum number of characters allowed*

*Type:*  Numeric
Valid Values:

---

text

Returns or sets the current value displayed in the input area

Type: Character

Valid Values:

---

textColor

Returns or sets the foreground color of the text

Type: Character

Valid Values: (All SAS-supported color values)

Editor: sashelp.classes.colorEditor.frame

---

textOrientation

Returns or sets how the text in the input area is written

Type: Character

Valid Values: Yes, No

---

upperCase

Returns or sets whether the text is to be converted to upper case

Type: Character
Valid Values:  Yes, No

---

### Methods

Methods specified for the Text Entry Control class are described here. See sashelp.classes.Afcontrol.class for inherited methods.

---

#### _clearMark

Clears the marked text

---

**Syntax**

```objectName_clearMark();```

---

#### _getMark

Returns the position of the marked text

---

**Syntax**

```objectName_getMark( startPosition, endPosition );```

---

<table>
<thead>
<tr>
<th>Argument</th>
<th>Type</th>
<th>Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>startPosition</td>
<td>Numeric</td>
<td>Output</td>
<td>returns the starting position of the mark</td>
</tr>
<tr>
<td>endPosition</td>
<td>Numeric</td>
<td>Output</td>
<td>returns the ending position of the mark</td>
</tr>
</tbody>
</table>
_onClick

Invoked when the click event occurs

Syntax

objectName_onClick( );

_onConformSize

Invoked when the conformSize event occurs

Syntax

objectName_onConformSize( );

_onDoubleClick

Invoked when the doubleClick event occurs

Syntax

objectName_onDoubleClick( );

_onKey

Invoked when the key event occurs
Syntax

ObjectName_onKey();

_onPopup

Invoked when the popup event occurs

Syntax

ObjectName_onPopup();

_onReturnKey

Invoked when the returnKey event occurs

Syntax

ObjectName_onReturnKey();

_onValueChanged

Invoked when the valueChanged event occurs

Syntax

ObjectName_onValueChanged();
### _setMark

Sets the position of the marked text

**Syntax**

```plaintext
return = objectName_setMark( startPosition, endPosition );
```

<table>
<thead>
<tr>
<th>Argument</th>
<th>Type</th>
<th>Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return</td>
<td>Numeric</td>
<td>Return</td>
<td>Return value</td>
</tr>
<tr>
<td>startPosition</td>
<td>Numeric</td>
<td>Input</td>
<td>specifies the starting position of the mark</td>
</tr>
<tr>
<td>endPosition</td>
<td>Numeric</td>
<td>Input</td>
<td>specifies the ending position of the mark</td>
</tr>
</tbody>
</table>

### _showPopup

Displays a pop-up menu containing items in a list

**Syntax**

```plaintext
objectName_showPopup( popupItemList, selectedIndex );
```

<table>
<thead>
<tr>
<th>Argument</th>
<th>Type</th>
<th>Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>popupItemList</td>
<td>List</td>
<td>Input</td>
<td>specifies the items to display in the popup</td>
</tr>
<tr>
<td>selectedIndex</td>
<td>Numeric</td>
<td>Update</td>
<td>specifies the index of the item selected from the menu</td>
</tr>
</tbody>
</table>

### Events

Events specified for the Text Entry Control class are described here. See sashelp.classes.Afcontrol.class for inherited events.
click
  Occurs on a click
conformSize
  Occurs when the control is resized due to conformSize
conformSize changed
  Occurs when the conformSize attribute is changed
cursorPosition changed
  Occurs when the cursorPosition attribute is changed
dataType changed
  Occurs when the dataType attribute is changed changed
doubleClick
  Occurs on a double-click
editable changed
  Occurs when the editable attribute is changed
font changed
  Occurs when the font attribute is changed
format changed
  Occurs when the format attribute is changed
informat changed
  Occurs when the informat attribute is changed
key
  Occurs on a keystroke
keyFeedback changed
  Occurs when the keyFeedback attribute is changed
markedText changed
  Occurs when the markedText attribute is changed
maskCharacter changed
  Occurs when the maskCharacter attribute is changed
maximumCharacters changed
  Occurs when the maximumCharacters attribute is changed
popup
  Occurs on a popup request
returnKey
  Occurs on a carriage Return or Enter
text changed
  Occurs when the text attribute is changed
textContent changed
  Occurs when the textColor attribute is changed
textOrientation changed
  Occurs when the textOrientation attribute is changed
upperCase changed
  Occurs when the upperCase attribute is changed
valueChanged
  Occurs when the value of the text entry is changed through a key event, cut and paste, or delete

## Event Handlers

Event handlers specified for the Text Entry Control class are described here. See sashelp.classes.Afcontrol.class for inherited event handlers.

<table>
<thead>
<tr>
<th>Event</th>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.click</td>
<td>_onClick</td>
<td>Executes when the click event occurs</td>
</tr>
<tr>
<td>.conformSize</td>
<td>_onConformSize</td>
<td>Executes when the conformSize event occurs</td>
</tr>
<tr>
<td>.doubleClick</td>
<td>_onDoubleClick</td>
<td>Executes when the doubleClick event occurs</td>
</tr>
<tr>
<td>.key</td>
<td>_onKey</td>
<td>Executes when the key event occurs</td>
</tr>
<tr>
<td>.popup</td>
<td>_onPopup</td>
<td>Executes when the popup event occurs</td>
</tr>
<tr>
<td>.returnKey</td>
<td>_onReturnKey</td>
<td>Executes when the returnKey event occurs</td>
</tr>
<tr>
<td>.valueChanged</td>
<td>_onValueChanged</td>
<td>Executes when the valueChanged event occurs</td>
</tr>
</tbody>
</table>