Class java.awt.Scrollbar

```
java.lang.Object
   |
   +----java.awt.Component
           |
           +----java.awt.Scrollbar
```

---

public class **Scrollbar**
extends Component

A Scrollbar component.

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Sets the values for this Scrollbar.

Variables

o **HORIZONTAL**

```
public final static int HORIZONTAL
```

The horizontal Scrollbar variable.

o **VERTICAL**

```
public final static int VERTICAL
```

The vertical Scrollbar variable.

Constructors

o **Scrollbar**

```
public Scrollbar()
```

Constructs a new vertical Scrollbar.

o **Scrollbar**

```
public Scrollbar(int orientation)
```

Constructs a new Scrollbar with the specified orientation.

Parameters:

orientation – either Scrollbar.HORIZONTAL or Scrollbar.VERTICAL

Throws: IllegalArgumentException

If an illegal scrollbar orientation is given.

o **Scrollbar**

```
public Scrollbar(int orientation,
                 int value,
                 int visible,
                 int minimum,
                 int maximum)
```

Constructs a new Scrollbar with the specified orientation, value, page size, and minumum and maximum values.

Parameters:

orientation – either Scrollbar.HORIZONTAL or Scrollbar.VERTICAL

value – the scrollbar's value

visible – the size of the visible portion of the scrollable area. The scrollbar will use this value when paging up or down by a page.

minimum – the minimum value of the scrollbar

maximum – the maximum value of the scrollbar

Methods

o **addNotify**

```
public synchronized void addNotify()
```

Create the Scrollbar's peer. The peer allows us to modify the appearance of the Scrollbar without changing any of its functionality.

Overrides:

addNotify in class Component

o **getOrientation**

```
public int getOrientation()
```

Returns the orientation for this Scrollbar.

o **getValue**

```
public int getValue()
```

Returns the current value of this Scrollbar.

See Also:

minimum, maximum

o **setValue**

```
public void setValue(int value)
```

Sets the value of this Scrollbar to the specified value.

Parameters:

value – the new value of the Scrollbar. If this value is below the current minimum or above the current maximum, it becomes the new one of those values, respectively.

See Also:

getValue

o **getMinimum**

```
public int getMinimum()
```

Returns the minimum value of this Scrollbar.

See Also:

maximum, value

o **getMaximum**

```
public int getMaximum()
```

Returns the maximum value of this Scrollbar.

See Also:

minimum, value

o **getVisible**

```
public int getVisible()
```

Returns the visible amount of the Scrollbar.

o **setValues**

```
public void setValues(int value,
                      int visible,
                      int minimum,
                      int maximum)
```

Sets the values for this Scrollbar.

Parameters:

value – is the position in the current window.
visible – is the amount visible per page
minimum – is the minimum value of the scrollbar
maximum – is the maximum value of the scrollbar

o **paramString**

```
protected String paramString()
```

Returns the String parameters for this Scrollbar.

Overrides:

paramString in class Component