

JProgressBar

- `public JProgressBar()`
 - `JProgressBar aJProgressBar = new JProgressBar();`
- `public JProgressBar(int orientation)`
 - `JProgressBar aJProgressBar = new JProgressBar(JProgressBar.VERTICAL);`
 - `JProgressBar bJProgressBar = new JProgressBar(JProgressBar.HORIZONTAL);`
- `public JProgressBar(int minimum, int maximum)`
 - `JProgressBar aJProgressBar = new JProgressBar(0, 500);`
- `public JProgressBar(int orientation, int minimum, int maximum)`
 - `JProgressBar aJProgressBar = new`

□ Method Purpose

- `Void setStringPainted(boolean val)`: display the text.
- `void setValue(int)`
- `int getValue()` Set or get the current value of the progress bar. The value is constrained by the minimum and maximum values.
- `double getPercentComplete()` Get the percent complete for the progress bar.
- `void setMinimum(int)`
- `int getMinimum()` Set or get the minimum value of the progress bar.

JSeperator

- JSeperator can be used anywhere you want to use a horizontal or vertical line to separate different areas of a screen.

JSeperator

▣ Constructors

- ▣ `public JSeperator()`

- ▣ Creates a new horizontal separator.

- ▣ `public JSeperator(int orientation)`

- ▣ Creates a new separator with the specified horizontal or vertical orientation.

- ▣ Parameters:

- ▣ orientation - an integer specifying `SwingConstants.HORIZONTAL` or `SwingConstants.VERTICAL`

Jseparator Methods

- `public void setOrientation(int orientation)`
 - Sets the orientation of the separator. The default value of this property is `HORIZONTAL`.
- **Parameters:**
 - `orientation` - either `SwingConstants.HORIZONTAL` or `SwingConstants.VERTICAL`
- `public int getOrientation()`
 - Returns the orientation of this separator.
 - **Returns:**
 - The value of the orientation property, one of the following constants defined in `SwingConstants`: `VERTICAL`, or `HORIZONTAL`.

ToolTip

□ Purpose

□ `setToolTipText(String)`

- If the specified string is not null, then this method registers the component as having a tool tip and, when displayed, gives the tool tip the specified text. If the argument is null, then this method turns off the tool tip for this component.

□ `String getToolTipText()`

- Returns the string that was previously specified with `setToolTipText`.