

Class `java.awt.TextArea`

```
java.lang.Object
|
+----java.awt.Component
|
+----java.awt.TextComponent
|
+----java.awt.TextArea
```

public class **TextArea**
extends [TextComponent](#)

A `TextArea` object is a multi-line area that displays text. It can be set to allow editing or read-only modes.

Version:

1.14, 08/17/95

Author:

Sami Shaio

Constructor Index

- o [**TextArea\(\)**](#)
Constructs a new `TextArea`.
- o [**TextArea\(int, int\)**](#)
Constructs a new `TextArea` with the specified number of rows and columns.
- o [**TextArea\(String\)**](#)
Constructs a new `TextArea` with the specified text displayed.
- o [**TextArea\(String, int, int\)**](#)
Constructs a new `TextArea` with the specified text and the specified number of rows and columns.

Method Index

- o [**addNotify\(\)**](#)
Creates the `TextArea`'s peer.
- o [**getColumns\(\)**](#)

Returns the number of columns in the TextArea.

o **getRows()**

Returns the number of rows in the TextArea.

o **insertText(String, int)**

Inserts the specified text at the specified position.

o **minimumSize(int, int)**

Returns the specified minimum size Dimensions of the TextArea.

o **minimumSize()**

Returns the minimum size Dimensions of the TextArea.

o **paramString()**

Returns the String of parameters for this TextArea.

o **preferredSize(int, int)**

Returns the specified row and column Dimensions of the TextArea.

o **preferredSize()**

Returns the preferred size Dimensions of the TextArea.

o **replaceText(String, int, int)**

Replaces text from the indicated start to end position with the specified new text.

Constructors

o **TextArea**

```
public TextArea()
```

Constructs a new TextArea.

o **TextArea**

```
public TextArea(int rows,  
                int cols)
```

Constructs a new TextArea with the specified number of rows and columns.

Parameters:

rows – the number of rows

cols – the number of columns

o **TextArea**

```
public TextArea(String text)
```

Constructs a new TextArea with the specified text displayed.

Parameters:

text – the text to be displayed

o **TextArea**

```
public TextArea(String text,  
                int rows,  
                int cols)
```

Constructs a new TextArea with the specified text and the specified number of rows and columns.

Parameters:

text – the text to be displayed
rows – the number of rows
cols – the number of cols

Methods

o addNotify

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

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

Overrides:

addNotify in class Component

o insertText

```
public void insertText(String str,  
                      int pos)
```

Inserts the specified text at the specified position.

Parameters:

str – the text to insert.
pos – the position to insert at.

See Also:

setText, replaceText

o replaceText

```
public void replaceText(String str,  
                       int start,  
                       int end)
```

Replaces text from the indicated start to end position with the specified new text.

Parameters:

str – the text to use as the replacement.
start – the start position.
end – the end position.

See Also:

insertText, replaceText

o getRows

```
public int getRows()
```

Returns the number of rows in the TextArea.

o **getColumns**

```
public int getColumns()
```

Returns the number of columns in the TextArea.

o **preferredSize**

```
public Dimension preferredSize(int rows,  
                                int cols)
```

Returns the specified row and column Dimensions of the TextArea.

Parameters:

rows – the preferred rows amount

cols – the preferred columns amount

o **preferredSize**

```
public Dimension preferredSize()
```

Returns the preferred size Dimensions of the TextArea.

Overrides:

preferredSize in class Component

o **minimumSize**

```
public Dimension minimumSize(int rows,  
                               int cols)
```

Returns the specified minimum size Dimensions of the TextArea.

Parameters:

rows – the minimum row size

cols – the minimum column size

o **minimumSize**

```
public Dimension minimumSize()
```

Returns the minimum size Dimensions of the TextArea.

Overrides:

minimumSize in class Component

o **paramString**

```
protected String paramString()
```

Returns the String of parameters for this TextArea.

Overrides:

paramString in class TextComponent

[All Packages](#)[This Package](#)[Previous](#)[Next](#)