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.

- **getRows**()
  Returns the number of rows in the TextArea.
- **insertText**(String, int)
  Inserts the specified text at the specified position.
- **minimumSize**(int, int)
  Returns the specified minimum size Dimensions of the TextArea.
- **minimumSize**()
  Returns the minimum size Dimensions of the TextArea.
- **paramString**()
  Returns the String of parameters for this TextArea.
- **preferredSize**(int, int)
  Returns the specified row and column Dimensions of the TextArea.
- **preferredSize**()
  Returns the preferred size Dimensions of the TextArea.
- **replaceText**(String, int, int)
  Replaces text from the indicated start to end position with the specified new text.

Constructors

- **TextArea**

```
public TextArea()
```

  Constructs a new TextArea.

- **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

- **TextArea**

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

  Constructs a new TextArea with the specified text displayed.
  Parameters:
  text – the text to be displayed

- **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