

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.

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

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