

Class `java.awt.Checkbox`

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

public class **Checkbox**
extends [Component](#)

A Checkbox object is a graphical user interface element that has a boolean state.

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- o **[Checkbox\(\)](#)**
Constructs a Checkbox with no label, no Checkbox group, and initialized to a false state.
- o **[Checkbox\(String\)](#)**
Constructs a Checkbox with the specified label, no Checkbox group, and initialized to a false state.
- o **[Checkbox\(String, CheckboxGroup, boolean\)](#)**
Constructs a Checkbox with the specified label, specified Checkbox group, and specified boolean state.

Method Index

- o **[addNotify\(\)](#)**
Creates the peer of the Checkbox.
- o **[getCheckboxGroup\(\)](#)**
Returns the checkbox group.
- o **[getLabel\(\)](#)**
Gets the label of the button.

- o **getState()**
Returns the boolean state of the Checkbox.
- o **paramString()**
Returns the parameter String of this Checkbox.
- o **setCheckboxGroup**(CheckboxGroup)
Sets the CheckboxGroup to the specified group.
- o **setLabel**(String)
Sets the button with the specified label.
- o **setState**(boolean)
Sets the Checkbox to the specified boolean state.

Constructors

o **Checkbox**

```
public Checkbox()
```

Constructs a Checkbox with no label, no Checkbox group, and initialized to a false state.

o **Checkbox**

```
public Checkbox(String label)
```

Constructs a Checkbox with the specified label, no Checkbox group, and initialized to a false state.

Parameters:

label – the label on the Checkbox

o **Checkbox**

```
public Checkbox(String label,  
               CheckboxGroup group,  
               boolean state)
```

Constructs a Checkbox with the specified label, specified Checkbox group, and specified boolean state. If the specified CheckboxGroup is not equal to null, then this Checkbox becomes a Checkbox button. If the Checkbox becomes a button, this simply means that only one Checkbox in a CheckboxGroup may be set at a time.

Parameters:

label – the label on the Checkbox

group – the CheckboxGroup this Checkbox is in

state – is the initial state of this Checkbox

Methods

o **addNotify**

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

Creates the peer of the Checkbox. The peer allows you to change the look of the Checkbox without changing its functionality.

Overrides:

addNotify in class Component

o getLabel

```
public String getLabel()
```

Gets the label of the button.

See Also:

setLabel

o setLabel

```
public void setLabel(String label)
```

Sets the button with the specified label.

Parameters:

label – the label of the button

See Also:

getLabel

o getState

```
public boolean getState()
```

Returns the boolean state of the Checkbox.

See Also:

setState

o setState

```
public void setState(boolean state)
```

Sets the Checkbox to the specified boolean state.

Parameters:

state – the boolean state

See Also:

getState

o getCheckboxGroup

```
public CheckboxGroup getCheckboxGroup()
```

Returns the checkbox group.

See Also:

setCheckboxGroup

o **setCheckboxGroup**

```
public void setCheckboxGroup(CheckboxGroup g)
```

Sets the CheckboxGroup to the specified group.

Parameters:

g – the new CheckboxGroup

See Also:

getCheckboxGroup

o **paramString**

```
protected String paramString()
```

Returns the parameter String of this Checkbox.

Overrides:

paramString in class Component

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