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Class java.awt.List

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

public class **List**
extends Component

A scrolling list of text items.

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o **List**()
 Creates a new scrolling list initialized with no visible Lines or multiple selections.
o **List**(int, boolean)
 Creates a new scrolling list initialized with the specified number of visible lines and a boolean stating whether multiple selections are allowed or not.

Method Index

o **addItem**(String)
 Adds the specified item to the end of scrolling list.
o **addNotify**()
 Creates the peer for the list.
o **allowsMultipleSelections**()
 Returns true if this list allows multiple selections.
o **clear**()
 Clears the list.
o **countItems**()
 Returns the number of items in the list.

o **delItem**(int)
    Delete an item from the list.
o **delItems**(int, int)
    Delete multiple items from the list.
o **deselect**(int)
    Deselects the item at the specified index.
o **getItem**(int)
    Gets the item associated with the specified index.
o **getRows**()
    Returns the number of visible lines in this list.
o **getSelectedIndex**()
    Get the selected item on the list or −1 if no item is selected.
o **getSelectedIndexes**()
    Returns the selected indexes on the list.
o **getSelectedItem**()
    Returns the selected item on the list or null if no item is selected.
o **getSelectedItems**()
    Returns the selected items on the list.
o **getVisibleIndex**()
    Gets the index of the item that was last made visible by the method makeVisible.
o **isSelected**(int)
    Returns true if the item at the specified index has been selected; false otherwise.
o **makeVisible**(int)
    Forces the item at the specified index to be visible.
o **minimumSize**(int)
    Returns the minimum dimensions needed for the amount of rows in the list.
o **minimumSize**()
    Returns the minimum dimensions needed for the list.
o **paramString**()
    Returns the parameter String of this list.
o **preferredSize**(int)
    Returns the preferred dimensions needed for the list with the specified amount of rows.
o **preferredSize**()
    Returns the preferred dimensions needed for the list.
o **removeNotify**()
    Removes the peer for this list.
o **select**(int)
    Selects the item at the specified index.
o **setMultipleSelections**(boolean)
    Sets whether this list should allow multiple selections or not.

Constructors

o **List**

```
 public List()
```

Creates a new scrolling list initialized with no visible Lines or multiple selections.

o **List**

```
public List(int rows,
            boolean multipleSelections)
```

Creates a new scrolling list initialized with the specified number of visible lines and a boolean stating whether multiple selections are allowed or not.

Parameters:

rows – the number of items to show.

multipleSelections – if true then multiple selections are allowed.

Methods

o **addNotify**

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

Creates the peer for the list. The peer allows us to modify the list's appearance without changing its functionality.

Overrides:

addNotify in class Component

o **removeNotify**

```
public synchronized void removeNotify()
```

Removes the peer for this list. The peer allows us to modify the list's appearance without changing its functionality.

Overrides:

removeNotify in class Component

o **countItems**

```
public int countItems()
```

Returns the number of items in the list.

See Also:

getItem

o **getItem**

```
public String getItem(int index)
```

Gets the item associated with the specified index.

Parameters:

index – the position of the item

See Also:
countItems

o **addItem**

```
public synchronized void addItem(String item)
```

Adds the specified item to the end of scrolling list.
Parameters:
item – the item to be added

o **clear**

```
public synchronized void clear()
```

Clears the list.
See Also:
delItem, delItems

o **delItem**

```
public synchronized void delItem(int position)
```

Delete an item from the list.

o **delItems**

```
public synchronized void delItems(int start,
                                  int end)
```

Delete multiple items from the list.

o **getSelectedIndex**

```
public synchronized int getSelectedIndex()
```

Get the selected item on the list or –1 if no item is selected.
See Also:
select, deselect, isSelected

o **getSelectedIndexes**

```
public synchronized int[] getSelectedIndexes()
```

Returns the selected indexes on the list.
See Also:
select, deselect, isSelected

o **getSelectedItem**

```
public synchronized String getSelectedItem()
```

Returns the selected item on the list or null if no item is selected.

See Also:

select, deselect, isSelected

o **getSelectedItems**

```
public synchronized String[] getSelectedItems()
```

Returns the selected items on the list.

See Also:

select, deselect, isSelected

o **select**

```
public synchronized void select(int index)
```

Selects the item at the specified index.

Parameters:

index – the position of the item to select

See Also:

getSelectedItem, deselect, isSelected

o **deselect**

```
public synchronized void deselect(int index)
```

Deselects the item at the specified index.

Parameters:

index – the position of the item to deselect

See Also:

select, getSelectedItem, isSelected

o **isSelected**

```
public synchronized boolean isSelected(int index)
```

Returns true if the item at the specified index has been selected; false otherwise.

Parameters:

index – the item to be checked

See Also:

select, deselect, isSelected

o **getRows**

```
public int getRows()
```

Returns the number of visible lines in this list.

o allowsMultipleSelections

```
public boolean allowsMultipleSelections()
```

Returns true if this list allows multiple selections.
See Also:
setMultipleSelections

o setMultipleSelections

```
public void setMultipleSelections(boolean v)
```

Sets whether this list should allow multiple selections or not.
Parameters:
v – the boolean to allow multiple selections
See Also:
allowsMultipleSelections

o getVisibleIndex

```
public int getVisibleIndex()
```

Gets the index of the item that was last made visible by the method makeVisible.

o makeVisible

```
public void makeVisible(int index)
```

Forces the item at the specified index to be visible.
Parameters:
index – the position of the item
See Also:
getVisibleItem

o preferredSize

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

Returns the preferred dimensions needed for the list with the specified amount of rows.
Parameters:
rows – amount of rows in list.

o preferredSize

```
public Dimension preferredSize()
```

Returns the preferred dimensions needed for the list.

Returns:

the preferred size with the specified number of rows if the row size is greater than 0.

Overrides:

preferredSize in class Component

o **minimumSize**

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

Returns the minimum dimensions needed for the amount of rows in the list.

Parameters:

rows – minimum amount of rows in the list

o **minimumSize**

```
public Dimension minimumSize()
```

Returns the minimum dimensions needed for the list.

Returns:

the preferred size with the specified number of rows if the row size is greater than zero.

Overrides:

minimumSize in class Component

o **paramString**

```
protected String paramString()
```

Returns the parameter String of this list.

Overrides:

paramString in class Component

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