Added in API level 1 (/guide/topics/manifest/uses-sdk-element#ApiLevels)

TextWatcher

<u>Kotlin</u> (/reference/kotlin/android/text/TextWatcher) | **Java**

public interface TextWatcher
implements NoCopySpan (/reference/android/text/NoCopySpan)

android.text.TextWatcher

Known indirect subclasses

AbsListView (/reference/android/widget/AbsListView), ExpandableListView

(/reference/android/widget/ExpandableListView), <u>GridView</u> (/reference/android/widget/GridView), <u>Li</u> (/reference/android/widget/ListView), <u>PasswordTransformationMethod</u>

 $(/reference/and roid/text/method/Password Transformation Method), \underline{Phone Number Formatting Text Wetcher)} \\ (/reference/and roid/telephony/Phone Number Formatting Text Watcher)$

AbsListView (/reference/android/widget/AbsListView)	Base class that can be used to implement virtualized lists of i
<u>ExpandableListView</u> (/reference/android/widget/ExpandableListView)	A view that shows items in a v scrolling two-level list.
GridView (/reference/android/widget/GridView)	A view that shows items in tw dimensional scrolling grid.
<u>ListView</u> (/reference/android/widget/ListView)	Displays a vertically-scrollable collection of views, where eac positioned immediatelybelow previous view in the list.
<u>PasswordTransformationMethod</u>	
(/reference/android/text/method/PasswordTransformationMethod)	
<u>PhoneNumberFormattingTextWatcher</u> (/reference/android/telephony/PhoneNumberFormattingTextWatcher)	Watches a <u>TextView</u> (/reference/android/widget/T and if a phone number is ente format it.

When an object of this type is attached to an Editable, its methods will be called when the text is changed.

Summary

<u>afterTextChanged</u> (/reference/android/text/TextWatcher#afterText (<u>Editable</u> (/reference/android/text/Editable) s)
This method is called to notify you that, somewhere within s, the text h
<u>beforeTextChanged</u> (/reference/android/text/TextWatcher#beforeTextChanged(java.lang.(<u>CharSequence</u> (/reference/java/lang/CharSequence) s, int sta
This method is called to notify you that, within s, the count characters replaced by new text with length after.
<pre>onTextChanged (/reference/android/text/TextWatcher#onTextChanged(java.lang.Char (CharSequence (/reference/java/lang/CharSequence) s, int sta</pre>
This method is called to notify you that, within s, the count characters replaced old text that had length before.

Public methods

afterTextChanged Added in <u>API level 1</u> (/guide/topics/manifest/uses-sdk-element#ApiLevels)

 $public \ abstract \ void \ after Text Changed \ (\underline{\textbf{Editable}} \ (/reference/and roid/text/Editable) \ s)$

This method is called to notify you that, somewhere within s, the text has been changed. It is legitimate to make further changes to s from this callback, but be careful not to get yourself into an infinite loop, because any changes you make will cause this method to be called again recursively. (You are not told where the change took place because other afterTextChanged() methods may already have made other changes and invalidated the offsets. But if you need to know here, you can use Spannable#setSpan

(/reference/android/text/Spannable#setSpan(java.lang.Object,%20int,%20int,%20int)) in onTextChanged(CharSequence, int, int)

(/reference/android/text/TextWatcher#onTextChanged(java.lang.CharSequence,%20int,%20int,%20int)) to mark your place and then look up from here where the span ended up.

Parameters	
s	Editable

beforeTextChanged Added in <u>API level 1</u> (/guide/topics/manifest/uses-sdk-element#ApiLevels)

This method is called to notify you that, within s, the count characters beginning at start are about to be replaced by new text with length after. It is an error to attempt to make changes to s from this callback.

Parameters	
s	CharSequence
start	int
count	int
after	int

onTextChanged

Added in API level 1 (/guide/topics/manifest/uses-sdk-element#ApiLevels)

This method is called to notify you that, within s, the count characters beginning at start have just replaced old text that had length before. It is an error to attempt to make changes to s from this callback.

Parameters	
s	CharSequence
start	int
before	int
count	int

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