

# Checkbutton

The Checkbutton widget is used to display a number of options to a user as toggle buttons. The user can then select one or more options by clicking the button corresponding to each option.

You can also display images in place of text.

## Syntax

Here is the simple syntax to create this widget –

```
w = Checkbutton ( master, option, ... )
```

## Parameters

- **master** – This represents the parent window.
- **options** – Here is the list of most commonly used options for this widget. These options can be used as key-value pairs separated by commas.

Sr.No.	Option & Description
1	<b>activebackground</b> Background color when the checkbutton is under the cursor.
2	<b>activeforeground</b> Foreground color when the checkbutton is under the cursor.
3	<b>bg</b> The normal background color displayed behind the label and indicator.
4	<b>bitmap</b> To display a monochrome image on a button.

5	<p><b>bd</b></p> <p>The size of the border around the indicator. Default is 2 pixels.</p>
6	<p><b>command</b></p> <p>A procedure to be called every time the user changes the state of this checkbutton.</p>
7	<p><b>cursor</b></p> <p>If you set this option to a cursor name (<i>arrow, dot etc.</i>), the mouse cursor will change to that pattern when it is over the checkbutton.</p>
8	<p><b>disabledforeground</b></p> <p>The foreground color used to render the text of a disabled checkbutton. The default is a stippled version of the default foreground color.</p>
9	<p><b>font</b></p> <p>The font used for the text.</p>
10	<p><b>fg</b></p> <p>The color used to render the text.</p>
11	<p><b>height</b></p> <p>The number of lines of text on the checkbutton. Default is 1.</p>
12	<p><b>highlightcolor</b></p> <p>The color of the focus highlight when the checkbutton has the focus.</p>
13	<p><b>image</b></p> <p>To display a graphic image on the button.</p>

14	<p><b>justify</b></p> <p>If the text contains multiple lines, this option controls how the text is justified: CENTER, LEFT, or RIGHT.</p>
15	<p><b>offvalue</b></p> <p>Normally, a checkbox's associated control variable will be set to 0 when it is cleared (off). You can supply an alternate value for the off state by setting offvalue to that value.</p>
16	<p><b>onvalue</b></p> <p>Normally, a checkbox's associated control variable will be set to 1 when it is set (on). You can supply an alternate value for the on state by setting onvalue to that value.</p>
17	<p><b>padx</b></p> <p>How much space to leave to the left and right of the checkbox and text. Default is 1 pixel.</p>
18	<p><b>pady</b></p> <p>How much space to leave above and below the checkbox and text. Default is 1 pixel.</p>
19	<p><b>relief</b></p> <p>With the default value, relief=FLAT, the checkbox does not stand out from its background. You may set this option to any of the other styles</p>
20	<p><b>selectcolor</b></p> <p>The color of the checkbox when it is set. Default is selectcolor="red".</p>
21	<p><b>selectimage</b></p> <p>If you set this option to an image, that image will appear in the</p>

	checkboxbutton when it is set.
22	<p><b>state</b></p> <p>The default is state=NORMAL, but you can use state=DISABLED to gray out the control and make it unresponsive. If the cursor is currently over the checkboxbutton, the state is ACTIVE.</p>
23	<p><b>text</b></p> <p>The label displayed next to the checkboxbutton. Use newlines ("\n") to display multiple lines of text.</p>
24	<p><b>underline</b></p> <p>With the default value of -1, none of the characters of the text label are underlined. Set this option to the index of a character in the text (counting from zero) to underline that character.</p>
25	<p><b>variable</b></p> <p>The control variable that tracks the current state of the checkboxbutton. Normally this variable is an <i>IntVar</i>, and 0 means cleared and 1 means set, but see the offvalue and onvalue options above.</p>
26	<p><b>width</b></p> <p>The default width of a checkboxbutton is determined by the size of the displayed image or text. You can set this option to a number of characters and the checkboxbutton will always have room for that many characters.</p>
27	<p><b>wraplength</b></p> <p>Normally, lines are not wrapped. You can set this option to a number of characters and all lines will be broken into pieces no longer than that number.</p>