

1. Button

The Button widget is used to add buttons in a Python application. These buttons can display text or images that convey the purpose of the buttons. You can attach a function or a method to a button which is called automatically when you click the button.

Syntax

Here is the simple syntax to create this widget:

```
w = Button ( master, option=value, ... )
```

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.

| Option | Description |
|------------------|--|
| activebackground | Background color when the button is under the cursor. |
| activeforeground | Foreground color when the button is under the cursor. |
| bd | Border width in pixels. Default is 2. |
| bg | Normal background color. |
| command | Function or method to be called when the button is clicked. |
| fg | Normal foreground (text) color. |
| font | Text font to be used for the button's label. |
| height | Height of the button in text lines (for textual buttons) or pixels (for images). |
| highlightcolor | The color of the focus highlight when the widget has focus. |