

Python - Tkinter LabelFrame

A labelframe is a simple container widget. Its primary purpose is to act as a spacer or container for complex window layouts.

This widget has the features of a frame plus the ability to display a label.

Syntax

Here is the simple syntax to create this widget –

```
w = LabelFrame( 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	bg The normal background color displayed behind the label and indicator.
2	bd The size of the border around the indicator. Default is 2 pixels.
3	cursor 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.
4	font The vertical dimension of the new frame.
5	height The vertical dimension of the new frame.
6	labelAnchor Specifies where to place the label.
7	highlightbackground Color of the focus highlight when the frame does not have focus.
8	highlightcolor Color shown in the focus highlight when the frame has the focus.
9	highlightthickness Thickness of the focus highlight.
10	relief With the default value, relief=FLAT, the checkbutton does not stand out from its background. You may set this option to any of the other styles

11	text Specifies a string to be displayed inside the widget.
12	width Specifies the desired width for the window.

Example

Try the following example yourself. Here is how to create a labelframe widget –

```
from Tkinter import *  
  
root = Tk()  
  
labelframe = LabelFrame(root, text="This is a LabelFrame")  
labelframe.pack(fill="both", expand="yes")  
  
left = Label(labelframe, text="Inside the LabelFrame")  
left.pack()  
  
root.mainloop()
```

When the above code is executed, it produces the following result –

