

## Python 3 - 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.

12	<b>width</b> Specifies the desired width for the window.
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### Example

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

```
# !/usr/bin/python3
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()
```

### Result

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



Sr.No.	Option & Description
1	<b>bg</b> The normal background color displayed behind the label and indicator.
2	<b>bd</b> The size of the border around the indicator. Default is 2 pixels.
3	<b>cursor</b> 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 checkbox.
4	<b>font</b> The vertical dimension of the new frame.
5	<b>height</b> The vertical dimension of the new frame.
6	<b>labelAnchor</b> Specifies where to place the label.
7	<b>highlightbackground</b> Color of the focus highlight when the frame does not have focus.
8	<b>highlightcolor</b> Color shown in the focus highlight when the frame has the focus.
9	<b>highlightthickness</b> Thickness of the focus highlight.
10	<b>relief</b> 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
11	<b>text</b> Specifies a string to be displayed inside the widget.