

## List Box

A Python Tkinter widget that is used to display a list of options for the user to select.

We can place only text items in the Listbox and all text items contain the same font and color.

```
listbox = Listbox(root, option.....)
```

- The items contain the same type of font and the same font color.
- It is important to note here that only text items can be placed inside a Listbox widget.

Name of Option	Description
bg	This option indicates the background color of the widget.
bd	This option is used to represent the size of the border. The default value is 2 pixels.
cursor	With the help of this option, the mouse pointer will look like the cursor type like dot, arrow, etc.
font	This option indicates the font type of the Listbox items.
fg	This option indicates the color of the text.
height	This option is used to represents the count of the lines shown in the Listbox. The default value of this option is 10.
highlightcolor	This option is used to indicate the color of the Listbox items when the widget is under focus.
highlightthickness	This option is used to indicate the thickness of the highlight.
relief	This option indicates the type of border. The default value is <b>SUNKEN</b> .
selectbackground	This option is used to indicate the background color that is used to display the selected text.
selectmode	This option is used to determine the number of items that can be selected from the list. It can set to <b>BROWSE, SINGLE, MULTIPLE, EXTENDED</b> .
width	This option is used to represent the width of the widget in characters.

## List Box

```
from tkinter import *
l=Label(root,text='list of state')
l.pack()
listbox=Listbox(root)
listbox.pack()
listbox.insert(1,"gujarat")
listbox.insert(2,"maharashtra")
listbox.insert(3,"rajasthan")
listbox.insert(4,"delhi")
listbox.insert(5,"kerala")
mainloop()
```

## Retrive listbox Value

```
from tkinter import *

def clic():
    value=listbox.get(listbox.curselection())
    print(value)

root=Tk()
root.geometry("500x400")

l=Label(root,text='list of state')
l.pack()

listbox=Listbox(root,height=3)
listbox.pack()

listbox.insert(1,"gujarat")
listbox.insert(2,"maharashtra")
listbox.insert(3,"rajasthan")
listbox.insert(4,"delhi")
listbox.insert(5,"kerala")
Button = Button(root, text = "Submit", command=clic)
Button.pack()

mainloop()
```

## List Box

The selectmode option determines whether you can select a single item or multiple items at a time.

'browse' – allows a single selection.

'extended' – allows multiple selection.

By default, the selectmode is 'browse'. The curselection() method returns a list of currently selected indices.

```
from tkinter import*

def onclik():

    # value=listbox.get(listbox.curselection())
    value1=[listbox.get(i) for i in listbox.curselection()]
    print(value1)

root=Tk()
root.title("Listbox")
root.geometry("500x400")

var=StringVar()

listbox=Listbox(root,selectmode=EXTENDED)
listbox.pack()

listbox.insert(0,'surat')
listbox.insert(1,'1surat')
listbox.insert(2,'2surat')
listbox.insert(3,'3surat')
listbox.insert(4,'4surat')
listbox.insert(5,'5surat')
listbox.activate(2)
b=Button(root,text='submit',command=onclik)
b.pack()

mainloop()
```