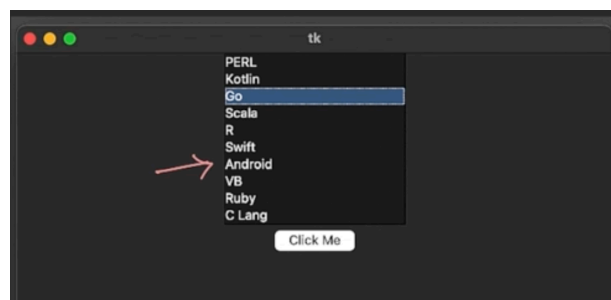


Py

Listbox Widget

- A listbox contain a list of items where the user can select either 1 item or multiple items
- Listbox can be used when they are a lot of options available
- We can also say that listbox is a combination of check button and radio button
- An example of list box is as follows



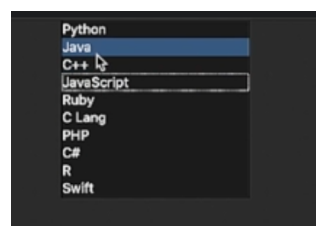
- Most go the common options are available for a list box as well but below are the options which are exclusively applicable to the listbox only



- Lets understand this with an example, the default selecting mode is for single item
- Here we are setting the select mode as BROWSE

```
win = Tk()
win.geometry('600x400')

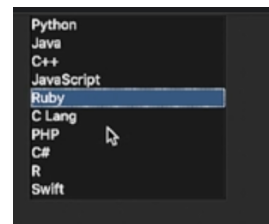
lst1 = Listbox(win, selectmode=BROWSE)
lst1.insert(0, 'Python')
lst1.insert(1, 'Java')
lst1.insert(2, 'C++')
lst1.insert(3, 'JavaScript')
lst1.insert(4, 'Ruby')
lst1.insert(5, 'C Lang')
lst1.insert(6, 'PHP')
lst1.insert(7, 'C#')
lst1.insert(8, 'R')
lst1.insert(9, 'Swift')
lst1.insert(10, 'Android')
lst1.insert(11, 'VB')
lst1.insert(12, 'PERL')
lst1.insert(13, 'Kotlin')
lst1.insert(14, 'Go')
lst1.insert(15, 'Scala')
```



- In browse mode we can drag the mouse across the options and make a selection, this mode is called BROWSE mode
- In default selection we can drag the Mouse across the options but cannot select anything
- In Selection mode as SINGLE we can select a single option from the list however we cannot drag the mouse across it

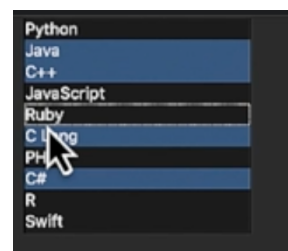
```
win = Tk()
win.geometry('600x400')

lst1 = Listbox(win, selectmode=SINGLE)
lst1.insert(0, 'Python')
lst1.insert(1, 'Java')
lst1.insert(2, 'C++')
lst1.insert(3, 'JavaScript')
lst1.insert(4, 'Ruby')
lst1.insert(5, 'C Lang')
lst1.insert(6, 'PHP')
```



- In Selection mode as MULTIPLE we can select multiple option from the list, to deselect the option just click on it once more

```
lst1 = Listbox(win, selectmode=MULTIPLE)
lst1.insert(0, 'Python')
lst1.insert(1, 'Java')
lst1.insert(2, 'C++')
lst1.insert(3, 'JavaScript')
lst1.insert(4, 'Ruby')
lst1.insert(5, 'C Lang')
lst1.insert(6, 'PHP')
```



- In Selection mode as EXTENDED we can drag the mouse cursor on multiple options



- The METHODS available for listbox widget are as follows

