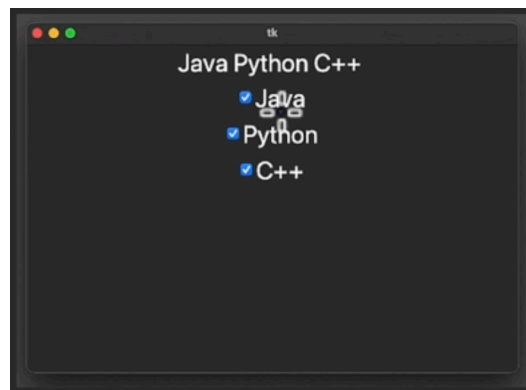


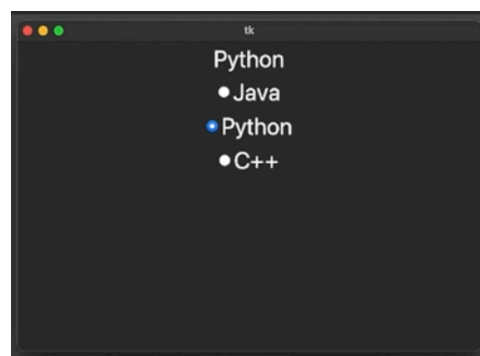
Py

## Checkbuttons

- Check buttons are used for providing options to the user In the user interface from which they can select the specific ones
- For example a student can select a subject from the list below



- In check buttons we can select either one check button or select all of them both are possible but for radio button this is not possible as the user can select only one option from a list of options
- The example of radio button is given below



- The methods of check and radio buttons are common

```
deselect()  
  
invoke( ) command  
  
select()  
  
toggle( )
```

- When a check button is created and a list of options are given and we want the selected options to be shown on the label for this we must create a handler and define a function for it, see the example below

```
from tkinter import *
from tkinter.font import *

def myhandler():
    lbl['text'] = cb1['text']

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

lbl = Label(win, text='Label')
lbl.pack()

cb1 = Checkbutton(win, text='Java', command=myhandler)
cb1.pack()

win.mainloop()
```

- In the above example we are fulfilling the condition of showing the selected text in the label however when we deselect it the label status doesn't change and we don't want that thus its solution is as follows

```
from tkinter import *
from tkinter.font import *

def myhandler():
    lbl['text'] = cb1['text'] if var.get() == 1 else ' '

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

lbl = Label(win, text=' ')
lbl.pack()

var = IntVar()
cb1 = Checkbutton(win, text='Java', variable=var, command=myhandler)
cb1.pack()

win.mainloop()
```

- When multiple check buttons are used there is no grouping of them every button works individually