# GUI Advance

Bind,Delete,Insert,Spinbox,Notification and File Menu

# Bind – Used to handle Events

```python
from tkinter import *

root = Tk()

def main(event):# PAssing Arguments
    print("hai hello")

b=Button(root,text="hai")#,command=main)
b.bind("<Button-1>",main)
b.pack()

#bind-- handle events
```

# Delete – Clear out the Entry Box (Slicing)

```
from tkinter import *
a=Tk()
def main():
     main1.delete(0,END)


main1=Entry(a,width=22)
main1.pack()

B=Button(a,text="hai",command=main)
B.pack()
#insert END, 0
```

# Insert (Variable or str, END)

```
from tkinter import *

root = Tk()
T = Entry(root, width=20)
T.pack()
#main1.delete(0,END)

T.insert(END,"Just a text Widget\n in two lines\n")
mainloop()
```

# Spinbox

from tkinter import *

master = Tk()

w = Spinbox(master, from_=1, to=10)
w.pack()

#You can specify a set of values instead of a range:

# ScrollBar

```
from tkinter import *

win = Tk()

sb = Scrollbar(win)
sb.pack(side=RIGHT, fill=X)

lb = Listbox(win, yscrollcommand=sb.set)
lb = Listbox(win, height=3)
lb.pack()

lb.insert(END,"first entry")
lb.insert(END,"second entry")
lb.insert(END,"third entry")
lb.insert(END,"fourth entry")
sb.configure(command=lb.yview)
```

#The Scrollbar widget is almost always used in conjunction with a Listbox, Canvas, or Text widget.

#Horizontal scrollbars can also be used with the Entry widget.

#To connect a vertical scrollbar to such a widget, you have to do two things:

#Set the widget's yscrollcommand callbacks to the set method of the scrollbar.

#Set the scrollbar's command to the yview method of the widget.

# Notification

```
from tkinter import *
from tkinter import messagebox
a=Tk()
def answer():
    messagebox.showerror("Answer", "Sorry, no answer available
")

def callback():
    if messagebox.askyesno ('yes', 'Really quit?'):
        messagebox.showinfo('title', 'body of the message')
    else:
        messagebox.showwarning('No', 'Quit has been cancelled')

x=Button(a,text='Quit', command=callback).pack(fill=X)
y=Button(a,text='Answer', command=answer).pack(fill=X)
```

```
#showinfo()

#showwarning()

#showerror ()

#askquestion()

#askokcancel()

#askyesno ()

#askretrycancel ()
```

# File Menu

```python
from tkinter import *
#from tkFileDialog   import askopenfilename

def NewFile():
    print ("New File!")
def OpenFile():
    name = askopenfilename()
    print (name)
def About():
    print ("This is a simple example of a menu")
```

```python
root = Tk()
menu = Menu(root)
root.config(menu=menu)
filemenu = Menu(menu)
menu.add_cascade(label="File", menu=filemenu)
filemenu.add_command(label="New", command=NewFile)
filemenu.add_command(label="Open...", command=OpenFile)
filemenu.add_separator()
filemenu.add_command(label="Exit", command=root.quit)

helpmenu = Menu(menu)
menu.add_cascade(label="Help", menu=helpmenu)
helpmenu.add_command(label="About...", command=About)
```