

Py

Widget Options : Number

- The numeric widget options are

```
Numeric Options  
  
from  
  
to  
  
variable  
  
value  
  
format  
  
orient ( HORIZONTAL , VERTICAL )
```

- **from** and **to** gives the range of values for a widget (scale and spinbox)

```
from tkinter import *  
from tkmacosx import *  
from tkinter.font import *  
  
win = Tk()  
win.title('My First Application')  
win.geometry('600x400')  
  
s1 = Scale(win, from_=0, to=100)  
s1.pack()  
  
win.mainloop()
```

- Scale is having an option called variable which is not available for the spin box
- The variable option is basically a default which we set for a widget, it is just like text variable

- The value option is available for various type of variable such as Intvar(), Stringvar() using this we can set the default value of a variable
- The format option is only available for spin box only

```
s1 = Spinbox(win, from_=0, to=100, format='%2.5f')  
s1.pack()
```

- Orient is nothing but the orientation that means if there is a horizontal scrollbar you can make it a vertical one

```
s1 = Scale(win, from_=0, to=100, orient=HORIZONTAL)  
s1.pack()
```

- The command option are as follows, they work only with scrollbar

Command

command

xscrollcommand

yscrollcommand

- The scrollbar works along with other widgets such as text, Entry, list widget etc

- Even if the scrollbar is positioned properly in the widget it will not work until we connect the scrollbar to the required widget through `xscrollcommand` or `yscrollcommand`
- See the example below

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

win = Tk()
win.title('My First Application')
win.geometry('600x400')

sb1 = Scrollbar(win, orient=VERTICAL)
t1 = Text(win)

t1.config(yscrollcommand=sb1.set)
sb1.config(command=t1.yview)

sb1.pack(side=RIGHT, fill=Y)
t1.pack()

win.mainloop()
```