Tkinter

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# tkinter: Used for the pages in graphical disigning. Basic components of
Tkinter are
# 1) Label: Single line information.
# 2) Entry: Single line textbox.
# 3) TextBox: multiline textbox.
# 4) Menu: options
# 5) Button: Used to submit the information.
# 6) Frame: overall structure in which we create or design.
# 7) CheckButton: Multiple input can be selected.
# 8) RadioButton: only one input can be selected.
# There are 3 types of geometric structure
# 1) Grid - Rows and columns
# 2) Pack - automatically places the widget in the window based on the
space available (organizes in vertical order)
# 3) place - (100,100) pixels form
# Label() Entry() Button()
import tkinter
from tkinter import *
r = Tk()
label1 = Label(r,text = "Name")
label1.grid(row = 0)
entry1= Entry(r)
entry1.grid(row = 0, column = 1)
label2 = Label(r,text = "Age")
label2.grid(row=1)
label4 = Label(r,text="State")
label4.grid(row = 4)
entry4 = Entry(r)
entry4.grid(row = 4 , column = 1)
button1= Button(r,text = "Submit",command = r.destroy)
button1.grid(row = 5,column = 1) # command = r.destory: is used to destory the tkinter generally used in sumbit button.
mainloop()
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Tkinter

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# CheckButton()
import tkinter
from tkinter import *
r = Tk()
var1 = IntVar()
check1= Checkbutton(r,text = "Python", variable = var1)
check1.grid(row = 1)
var2 = IntVar()
check2= Checkbutton(r,text= "Java", variable = var2)
check2.grid(row = 2)
var3 = IntVar()
check3 = Checkbutton(r, text = "C++" ,variable = var3)
check3.grid(row = 3)
button1 = Button(r,text = "submit")
button1.grid(row = 4, column= 1)
mainloop()
print(var1.get())
print(var2.get())
# RadioButton()
import tkinter
from tkinter import *
r = Tk()
var1 = IntVar()
radio1 = Radiobutton(r,text = "Btech",variable = var1,value = 1)
radio1.grid(row = 1)
radio2 = Radiobutton(r,text = "Bcomb", variable = var1 , value = 2)
radio2.grid(row = 2)
radio3 = Radiobutton(r,text= "Bsc", variable = var1, value =3)
radio3.grid(row = 3)
button1 = Button(r,text = "sumbit",command = r.destroy)
button1.grid(row = 4, column = 1)
mainloop()
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Tkinter

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# .pack() geometric view
import tkinter
from tkinter import *
r = Tk()
label1 = Label(r,text="Name")
button1= Button(r,text = "submit",command = r.destroy)
                  # side is used to give specific position like top/bottom/left/right
label1.pack()
button1.pack()
mainloop()
# top1 = Toplevel(r) = Used to create new window
# top1.geometry() = Decide the size of the new label
import tkinter
from tkinter import *
r = Tk()
def SecondClick():
    top2 = Toplevel(r)
    label3 = Label(top2, text = "Thrid window")
    label3.pack()
    button3 = Button(top2,text = "submit",command = top2.destroy)
    button3.pack()
def clicked():
    top1 = Toplevel(r)
    top1.geometry("100x100")
                                          # fixed the size of the new window
    label2 = Label(top1, text = "second window op")
    label2.pack()
    button2 = Button(top1,text = "submit",command = SecondClick)
# Adding menu to the tkinter
import tkinter
from tkinter import *
r = Tk()
mymenubar = Menu(r)
r.config(menu=mymenubar)
file = Menu(mymenubar)
mymenubar.add_cascade(label="file",menu= file)
file.add_command(label = "save")
file.add_command(label = "save as")
operations = Menu(mymenubar)
mymenubar.add_cascade(label = "Operations", menu = operations)
operations.add_command(label = "cut")
operations.add_command(label = "copy")
operations.add_command(label = "paste")
mainloop()
```