~\Desktop\gui1.ipynb

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from tkinter import *

current = ""
first_number=second_number=third_number=operator=""


root = Tk()
root.resizable(0,0)
root.title('Calculator by TechFox')
root.geometry('320x410')
root.minsize(100,100)
root.configure(bg='black')
#lab = Label(root , text = 'Welcome to the Calculator by Ansh Gaba!' ,font='calibri 10 italic' )
#lab.grid(row =10)
equation = StringVar()
reslabel = Entry(root, text= equation ,  font='arabic 20 bold' , fg='yellow', width=20 , border= 8)
reslabel.grid(row = 0 , column=0 , columnspan=10 ,  sticky='w' )

def get_digit(digit):
    global current
    current = current + str(digit)
    equation.set(current)

def clear():
    global current
    current = ""
    equation.set("Enter two numbers")

def get_operator(op):
    global first_number , operator , current , second_number
    first_number = int(current)
    operator = op
    equation.set(op)
    current = ""


def get_result():
    global first_number , second_number , operator ,  current
    second_number = int(current)
    if operator == "+":
        equation.set(first_number + second_number)
    elif operator == "-":
        equation.set(first_number - second_number)
    elif operator == "x":
        equation.set(first_number * second_number)
    elif operator == "/" and second_number>0:
        equation.set(first_number / second_number)
    else:
        equation.set("invalid")

equation.set('Enter two numbers')
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64  btn7 = Button(root , text='7', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(7))
65  btn7.grid(row = 1 , column = 0)
66  btn8 = Button(root , text='8', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(8) )
67  btn8.grid(row = 1 , column = 1)
68  btn9 = Button(root , text='9', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(9))
69  btn9.grid(row = 1 , column = 2)
70  btnadd = Button(root , text='+', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_operator('+'))
71  btnadd.grid(row = 1 , column = 3)
72  btn4 = Button(root , text='4', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(4))
73  btn4.grid(row = 2 , column = 0)
74  btn5 = Button(root , text='5', bg='yellow' , fg='black' ,width=10 , height=5 , command=
    lambda:get_digit(5))
75  btn5.grid(row = 2 , column = 1)
76  btn6 = Button(root , text='6', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(6))
77  btn6.grid(row = 2 , column = 2)
78  btnminus = Button(root , text='-', bg='yellow' , fg='black' , width=10 , height=5 ,
    command=lambda:get_operator('-'))
79  btnminus.grid(row = 2 , column = 3)
80  btn1 = Button(root , text='1', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(1) )
81  btn1.grid(row = 3 , column = 0)
82  btn2 = Button(root , text='2', bg='yellow' , fg='black' ,width=10 , height=5 , command=
    lambda:get_digit(2))
83  btn2.grid(row = 3 , column = 1)
84  btn3 = Button(root , text='3', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_digit(3))
85  btn3.grid(row = 3 , column = 2)
86  btnmul = Button(root , text='x', bg='yellow' , fg='black' , width=10 , height=5 , command=
    lambda:get_operator('x'))
87  btnmul.grid(row = 3 , column = 3)
88  btnclear = Button(root , text='C', bg='yellow' , fg='black' , width=10 , height=5 ,
    command=lambda:clear())
89  btnclear.grid(row = 4 , column = 0)
90  btn0 = Button(root , text='0', bg='yellow' , fg='black' ,width=10 , height=5 , command=
    lambda:get_digit(0))
91  btn0.grid(row = 4 , column = 1)
92  btnequal = Button(root , text='=', bg='yellow' , fg='black' , width=10 , height=5 ,
    command=lambda:get_result())
93  btnequal.grid(row = 4 , column = 2)
94  btndivide = Button(root , text='/', bg='yellow' , fg='black' , width=10 , height=5 ,
    command=lambda:get_operator('/'))
95  btndivide.grid(row = 4 , column = 3)
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99  root.mainloop()
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