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import tkinter as tk
caluculation=""
def Add_to_calculation(symbol):
    global caluculation
    caluculation += str(symbol)
    text_result.delete(1.0,"end")
    text_result.insert(1.0 ,caluculation)

def evaluate_calculation():
    global caluculation
    try:

        Result=str(eval(caluculation))
        caluculation=""
        text_result.delete(1.0,"end")
        text_result.insert(1.0,Result)
    except:
        clear_field()
        text_result.insert(1.0,"Error")

def clear_field():
    global caluculation
    caluculation=""
    text_result.delete(1.0,"end")

root = tk.Tk()
root.geometry("300x275")
text_result=tk.Text(root,height=2,width=16 , font=("Arial",24))
text_result.grid(columnspan=5)

btn_1=tk.Button(root,text="1",command=lambda:
Add_to_calculation(1),width=5,font=("Arial",14))
btn_1.grid(row=2,column=1)
btn_2=tk.Button(root,text="2",command=lambda:
Add_to_calculation(2),width=5,font=("Arial",14))
btn_2.grid(row=2,column=2)
btn_3=tk.Button(root,text="3",command=lambda:
Add_to_calculation(3),width=5,font=("Arial",14))
btn_3.grid(row=2,column=3)
btn_4=tk.Button(root,text="4",command=lambda:
Add_to_calculation(4),width=5,font=("Arial",14))
btn_4.grid(row=3,column=1)
btn_5=tk.Button(root,text="5",command=lambda:
Add_to_calculation(5),width=5,font=("Arial",14))

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btn_5.grid(row=3,column=2)
btn_6=tk.Button(root,text="6",command=lambda:
Add_to_calculation(6),width=5,font=("Arial",14))
btn_6.grid(row=3,column=3)
btn_7=tk.Button(root,text="7",command=lambda:
Add_to_calculation(7),width=5,font=("Arial",14))
btn_7.grid(row=4,column=1)
btn_8=tk.Button(root,text="8",command=lambda:
Add_to_calculation(8),width=5,font=("Arial",14))
btn_8.grid(row=4,column=2)
btn_9=tk.Button(root,text="9",command=lambda:
Add_to_calculation(9),width=5,font=("Arial",14))
btn_9.grid(row=4,column=3)
btn_0=tk.Button(root,text="0",command=lambda:
Add_to_calculation(0),width=5,font=("Arial",14))
btn_0.grid(row=5,column=2)
btn_plus=tk.Button(root,text="+",command=lambda:
Add_to_calculation("+"),width=5,font=("Arial",14))
btn_plus.grid(row=2,column=4)
btn_minus=tk.Button(root,text="-",command=lambda:
Add_to_calculation("-"),width=5,font=("Arial",14))
btn_minus.grid(row=3,column=4)
btn_multiply=tk.Button(root,text="*",command=lambda:
Add_to_calculation("*"),width=5,font=("Arial",14))
btn_multiply.grid(row=4,column=4)
btn_division=tk.Button(root,text="/",command=lambda:
Add_to_calculation("/"),width=5,font=("Arial",14))
btn_division.grid(row=5,column=4)
btn_open=tk.Button(root,text="(",command=lambda:
Add_to_calculation("("),width=5,font=("Arial",14))
btn_open.grid(row=5,column=1)
btn_close=tk.Button(root,text=")",command=lambda:
Add_to_calculation(")"),width=5,font=("Arial",14))
btn_close.grid(row=5,column=3)
btn_clear=tk.Button(root,text="C",command=clear_field,width=11,font=("Arial",14))
btn_clear.grid(row=6,column=1,columnspan=2)
btn_equals=tk.Button(root,text="=",command=evaluate_calculation,width=11,font=("Arial",14))
btn_equals.grid(row=6,column=3,columnspan=2)
root.mainloop()
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