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import tkinter as tk
from tkinter import StringVar

# Create the main window
main_window = tk.Tk()
main_window.geometry('312x324')
main_window.title('My_Calculator')

# Global variables
expression = ""
input_text = StringVar()

# Function to handle number/operation button click
def btn_click(item):
    global expression
    expression = expression + str(item)
    input_text.set(expression)

# Function to clear the input field
def btn_clear():
    global expression
    expression = ""
    input_text.set("")

# Function to evaluate the expression
def btn_equal():
    global expression
    try:
        result = str(eval(expression))
        input_text.set(result)
        expression = ""
    except:
        input_text.set("Error")
        expression = ""

# ====== UI Setup ======
# Entry field
input_frame = tk.Frame(main_window)
input_frame.pack()

input_field = tk.Entry(input_frame, textvariable=input_text, width=50, bg="#eee", bd=0, justify="right", font=("Arial", 18))
input_field.grid(row=0, column=0)
input_field.pack(ipady=10)  # internal padding

# Button frame
btns_frame = tk.Frame(main_window, bg="grey")
btns_frame.pack()

# First row
tk.Button(btns_frame, text="C", fg="black", width=32, height=3, bd=0, bg="#eee",
          cursor="hand2", command=lambda: btn_clear()).grid(row=0, column=0, columnspan=3, padx=1, pady=1)
tk.Button(btns_frame, text="/", fg="black", width=10, height=3, bd=0, bg="#fff",
          cursor="hand2", command=lambda: btn_click("/")).grid(row=0, column=3, padx=1, pady=1)

# Second row
for i, text in enumerate(["7", "8", "9", "*"]):
    tk.Button(btns_frame, text=text, fg="black", width=10, height=3, bd=0, bg="#fff",
              cursor="hand2", command=lambda t=text: btn_click(t)).grid(row=1, column=i, padx=1, pady=1)

# Third row
for i, text in enumerate(["4", "5", "6", "-"]):
    tk.Button(btns_frame, text=text, fg="black", width=10, height=3, bd=0, bg="#fff",
              cursor="hand2", command=lambda t=text: btn_click(t)).grid(row=2, column=i, padx=1, pady=1)

# Fourth row
for i, text in enumerate(["1", "2", "3", "+"]):
    tk.Button(btns_frame, text=text, fg="black", width=10, height=3, bd=0, bg="#fff",
              cursor="hand2", command=lambda t=text: btn_click(t)).grid(row=3, column=i, padx=1, pady=1)

# Fifth row
tk.Button(btns_frame, text="0", fg="black", width=21, height=3, bd=0, bg="#fff",
          cursor="hand2", command=lambda: btn_click(0)).grid(row=4, column=0, columnspan=2, padx=1, pady=1)
tk.Button(btns_frame, text=".", fg="black", width=10, height=3, bd=0, bg="#fff",
          cursor="hand2", command=lambda: btn_click(".")).grid(row=4, column=2, padx=1, pady=1)
tk.Button(btns_frame, text="=", fg="black", width=10, height=3, bd=0, bg="#eee",
          cursor="hand2", command=lambda: btn_equal()).grid(row=4, column=3, padx=1, pady=1)

# Run the app
main_window.mainloop()
```