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import tkinter as tk

low, high = 1, 100

def guess():
    global mid
    mid = (low + high) // 2
    label.config(text=f"My guess: {mid}")

def smaller():
    global high
    high = mid - 1
    guess()

def larger():
    global low
    low = mid + 1
    guess()

def correct():
    label.config(text=f"Guessed it: {mid}")
    b1.config(state="disabled")
    b2.config(state="disabled")
    b3.config(state="disabled")

def new():
    global low, high
    low, high = 1, 100
    b1.config(state="normal")
    b2.config(state="normal")
    b3.config(state="normal")
    guess()

label = tk.Label()
label.pack()

b1 = tk.Button(text="Too small", command=larger)
b1.pack()

b2 = tk.Button(text="Too large", command=smaller)
b2.pack()

b3 = tk.Button(text="Correct", command=correct)
b3.pack()

tk.Button(text="New game", command=new).pack()

new()
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tk.mainloop()
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