import tkinter as tk

from tkinter import messagebox

def calculate\_mpg():

try:

gallons = float(entry\_gallons.get())

miles = float(entry\_miles.get())

mpg = miles / gallons

label\_result.config(text=f"MPG: {mpg:.2f}")

except ValueError:

messagebox.showerror("Input Error", "Please enter valid numbers for gallons and miles.")

root = tk.Tk()

root.title("Car Gas Mileage Calculator")

label\_gallons = tk.Label(root, text="Gallons of gas:")

label\_gallons.grid(row=0, column=0, padx=10, pady=5)

entry\_gallons = tk.Entry(root)

entry\_gallons.grid(row=0, column=1, padx=10, pady=5)

label\_miles = tk.Label(root, text="Miles on full tank:")

label\_miles.grid(row=1, column=0, padx=10, pady=5)

entry\_miles = tk.Entry(root)

entry\_miles.grid(row=1, column=1, padx=10, pady=5)

button\_calculate = tk.Button(root, text="Calculate MPG", command=calculate\_mpg)

button\_calculate.grid(row=2, column=0, columnspan=2, pady=10)

label\_result = tk.Label(root, text="MPG: ")

label\_result.grid(row=3, column=0, columnspan=2, pady=5)

root.mainloop()