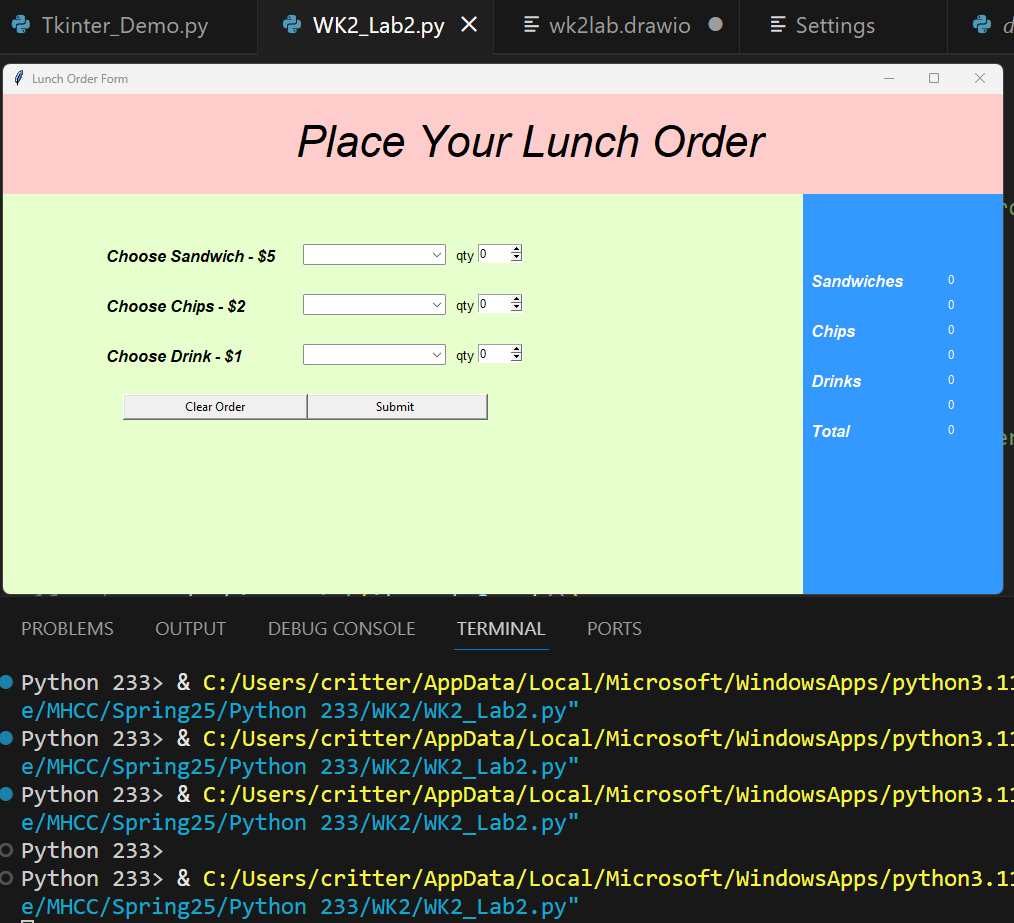
# Program:      WK2 Lab - Order Entry Form

# Programmer:   Charlie Ritter

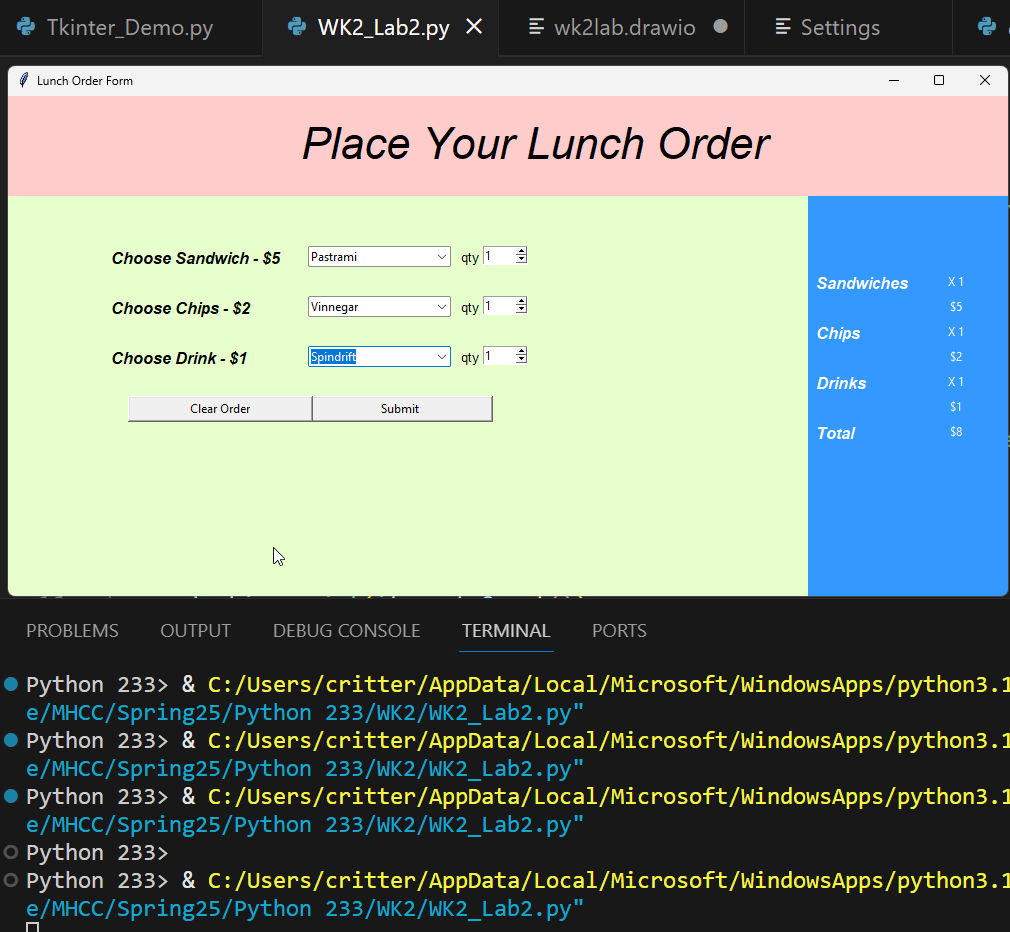
# Date:         4/8/2025

# Purpose:      Design a functional GUI program using Tkinter. An Order Form with selections and itemized totals.

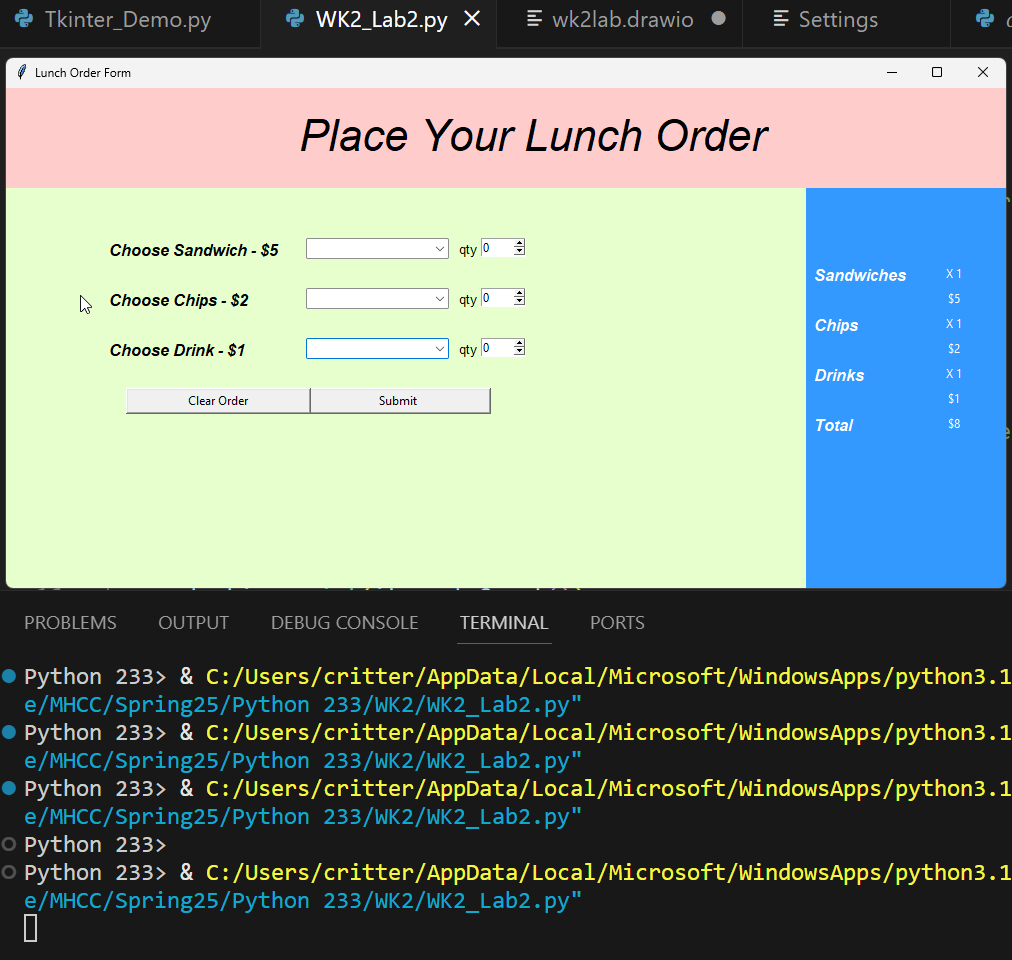
Program running



Submit sends data to static labels in separate frame



Clear Order button clears only data in the first frame



from tkinter import ttk # Imported for combobox

import tkinter as tk

#---------Functions----------#

# Function will take the qty amount and display in items sum\_frame labels

def quantity():

    sel\_sand = int(item\_qty.get())

    sandwich["text"] = f"X {sel\_sand}"

    sel\_chips = int(item\_qty2.get())

    chips["text"] = f"X {sel\_chips}"

    sel\_drink = int(item\_qty3.get())

    drinks["text"] = f"X {sel\_drink}"

# sum all of the selected items and display total.

def total():

    # sandwich total

    sel\_sand = int(item\_qty.get())

    sand\_tot = sel\_sand \* 5

    sand\_price["text"] = f"${sand\_tot}"

    # chips total

    sel\_chips = int(item\_qty2.get())

    chips\_tot = sel\_chips \* 2

    chips\_price["text"] = f"${chips\_tot}"

    # drinks total

    sel\_drinks = int(item\_qty3.get())

    drinks\_tot = sel\_drinks \* 1

    drinks\_price["text"] = f"${drinks\_tot}"

    sum\_total = sand\_tot + chips\_tot + drinks\_tot

    order\_total["text"] = f"${sum\_total}"

# Clear qty spinboxes in the sel\_frame when

# called with the "Clear Order" button command.

def clear\_qty():

    Clear\_var = tk.IntVar(sel\_frame)

    Clear\_var.set(0)

    item\_qty.config(textvariable=Clear\_var)

    Clear\_var2 = tk.IntVar(sel\_frame)

    Clear\_var2.set(0)

    item\_qty2.config(textvariable=Clear\_var2)

    Clear\_var3 = tk.IntVar(sel\_frame)

    Clear\_var3.set(0)

    item\_qty3.config(textvariable=Clear\_var3)

# Clear item Comboboxes in the sel\_frame when

# called with the "Clear Order" button command.

def clear\_sel():

    choose\_sand.set("")

    choose\_drink.set("")

    choose\_chips.set("")

window = tk.Tk()

window.title("Lunch Order Form")

#-------Frame set ups---------#

bg\_one = "#E6FFCC"

d\_grey = "#3399FF"

# page title

header\_frame = tk.Frame(master=window, width=1000, height= 100, bg='#FFCCCC')

header\_frame.pack(fill='both', expand=True)

# order fill here

sel\_frame = tk.Frame(master=window, width=800, height=400, bg=bg\_one)

sel\_frame.pack(fill='both', side=tk.LEFT, expand=True)

# itemized totals

sum\_frame = tk.Frame(master=window, width=200, bg=d\_grey)

sum\_frame.pack(fill='both', side=tk.RIGHT, expand=True)

# -----header frame----- #

label = tk.Label(master=header\_frame,

                 text=('Place Your Lunch Order'),

                 bg='#FFCCCC',

                 font=('Time', '33', 'italic'))

label.place(x=290, y=20)

# ----Fill out the order form in sel\_frame---- #

# Enter Item Labels

label = tk.Label(master=sel\_frame,

                 text="Choose Sandwich - $5",

                 bg=bg\_one,

                 font=('Helvetica', '12', 'bold', 'italic'))

label.place(x=100, y=50)

label = tk.Label(master=sel\_frame,

                 text="Choose Chips - $2",

                 bg=bg\_one,

                 font=('Helvetica', '12', 'bold', 'italic'))

label.place(x=100, y=100)

label = tk.Label(master=sel\_frame,

                 text="Choose Drink - $1",

                 bg=bg\_one,

                 font=('Helvetica', '12', 'bold', 'italic'))

label.place(x=100, y=150)

# Enter Sandwich Combobox

choose\_sand = ttk.Combobox(master=sel\_frame,

                           values=("Ham", "Turkey", "Pastrami", "Sietan"))

choose\_sand.place(x=300, y=50)

# Enter Chips Combobox

choose\_chips = ttk.Combobox(master=sel\_frame,

                           values=("Vinnegar", "Salt & Pepper", "Tortilla"))

choose\_chips.place(x=300, y=100)

# Enter Drink Combobox

choose\_drink = ttk.Combobox(master=sel\_frame,

                           values=("La Croix", "Spindrift", "Coca-Cola", "Water"))

choose\_drink.place(x=300, y=150)

# Item qty Entry spinbox

item\_qty = tk.Spinbox(master=sel\_frame, from\_= 0, to=5, width=5)

item\_qty.place(x=475, y=50)

label = tk.Label(master=sel\_frame, text="qty", font=('Time','10'), bg=bg\_one)

label.place(x=450, y=50)

# Item qty Entry spinbox

item\_qty2 = tk.Spinbox(master=sel\_frame, from\_= 0, to=5, width=5)

item\_qty2.place(x=475, y=100)

label = tk.Label(master=sel\_frame, text="qty", font=('Time','10'), bg=bg\_one)

label.place(x=450, y=100)

# Item qty Entry spinbox

item\_qty3 = tk.Spinbox(master=sel\_frame, from\_= 0, to=5, width=5)

item\_qty3.place(x=475, y=150)

label = tk.Label(master=sel\_frame, text="qty", font=('Time','10'), bg=bg\_one)

label.place(x=450, y=150)

# Submit button. Will call both quantity and total functions displaying calculated

# Data in sum\_frame

button1 = tk.Button(master=sel\_frame,

                    text= "Submit",

                    width= 25,

                    command= lambda:[quantity(), total()]

                    )

button1.place(x=300, y=200)

# Clear Order button. will call both functions to clear the comboboxes and

# the spinboxes

button2 = tk.Button(master=sel\_frame,

                    text= "Clear Order",

                    width= 25,

                    command= lambda:[clear\_qty(), clear\_sel()]

                    )

button2.place(x=120, y=200)

# -----Itemized Totals in sum\_frame---- #

# Sandwiches number and total

label = tk.Label(master=sum\_frame,

                 text="Sandwiches",

                 font=('Helvetica', '12', 'bold', 'italic'),

                 bg=d\_grey,

                 foreground='white')

label.place(x=5, y=75)

sandwich = tk.Label(master=sum\_frame,

                    text="0",

                    width=10,

                    bg=d\_grey,

                    foreground='white')

sandwich.place(x=110, y=75)

sand\_price = tk.Label(master=sum\_frame,

                      text="0",

                      width=10,

                      bg=d\_grey,

                      foreground='white')

sand\_price.place(x=110, y=100)

# Chips number and total

label = tk.Label(master=sum\_frame,

                 text="Chips",

                 font=('Helvetica', '12', 'bold', 'italic'),

                 bg=d\_grey,

                 foreground='white')

label.place(x=5, y=125)

chips = tk.Label(master=sum\_frame,

                    text="0",

                    width=10,

                    bg=d\_grey,

                    foreground='white')

chips.place(x=110, y=125)

chips\_price = tk.Label(master=sum\_frame,

                      text="0",

                      width=10,

                      bg=d\_grey,

                      foreground='white')

chips\_price.place(x=110, y=150)

# Drinks number and total

label = tk.Label(master=sum\_frame,

                 text="Drinks",

                 font=('Helvetica', '12', 'bold', 'italic'),

                 bg=d\_grey,

                 foreground='white')

label.place(x=5, y=175)

drinks = tk.Label(master=sum\_frame,

                    text="0",

                    width=10,

                    bg=d\_grey,

                    foreground='white')

drinks.place(x=110, y=175)

drinks\_price = tk.Label(master=sum\_frame,

                      text="0",

                      width=10,

                      bg=d\_grey,

                      foreground='white')

drinks\_price.place(x=110, y=200)

# Total

label = tk.Label(master=sum\_frame,

                 text="Total",

                 font=('Helvetica', '12', 'bold', 'italic'),

                 bg=d\_grey,

                 foreground='white')

label.place(x=5, y=225)

order\_total = tk.Label(master=sum\_frame,

                    text="0",

                    width=10,

                    bg=d\_grey,

                    foreground='white')

order\_total.place(x=110, y=225)

window.mainloop()