Submission Form – Name Elliott Rickert

# It’s Your Turn

## Project 3.2.3 Combo Menu - Revised

#### **TASKS DESCRIPTION**

Combo Menus Revisited: Modify your previously developed code to accept more than one order.

| What computer science terms keep confusing you? |
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| What confuses me is why people still enjoy using assembly. Assembly is the computational version of torture for all computer scientists, software, and hardware developers alike. |

Steps 1-5

Complete activities in the steps and save to your Trinkets

Define the purpose of the Range Function. Explain the required syntax.

Returns a range from start to stop, incrementing by the value of step, Syntax is range(start, stop [, step])

Steps 6-9

Complete the programming for each step and copy your code here for each iteration.

#range(7)

#range(1,8)

#range(0,40,5)

#range(0,16,3)

#range(0,-10,-2)

#range(0)

range(1,0)

a = list(a)

print(a)

Step 10-12

Review the information in Steps 10 and 11. Complete the programming in Step 12 using while loop. Copy and paste your code here for Step 12.

a = range(1, 6)

a = list(a)

b = range(10, 0, -1)

b = list(b)

c = range(2, 11, 2)

c = list(c)

d = range(9, 0, -2)

d = list(d)

print(a)

print(b)

print(c)

print(d)

Steps 13-14

Complete these steps and paste your code here. Show your teacher your working code.

# Init vars

total = (0.00)

chickenPrice = (5.25)

beefPrice = (6.25)

tofuPrice = (5.75)

sBevPrice = (1.00)

mBevPrice = (1.75)

lBevPrice = (2.25)

sFFPrice = (1.00)

mFFPrice = (1.50)

lFFPrice = (2.00)

kPrice = (0.25)

order = []

loopCheck = True

print("Please only use the first word with the full word. For yes or no questions, answer with either Yes or No.")

while loopCheck == True:

# Iteration 1

# Sandwich Type Selector

sandwich = input("Would you like a Chicken Sandwich, a Beef Sandwich, a Tofu Sandwich, or nothing? ")

sandwich = sandwich.lower()

# Event Handler for sandwich

if sandwich == "chicken":

print("You want a Chicken Sandwich for $5.25")

total = total + chickenPrice

order.append("Chicken Sandwich")

elif sandwich == "beef":

print("You want a Beef Sandwich for $6.25")

total = total + beefPrice

order.append("Beef Sandwich")

elif sandwich == "tofu":

print("You want a Tofu Sandwich for $5.75")

total = total + tofuPrice

order.append("Tofu Sandwich")

elif sandwich == "nothing":

print("You do not want a sandwich")

order.append("No Sandwich")

else:

print("Please restart the program and input Chicken, Beef, or Tofu")

quit()

# Iteration 2

# Drink Selector

bevQ = input("Would you like a drink? ")

bevQ = bevQ.lower()

# Drink Selection Handler

if bevQ == "yes":

bevS = input("Would you like a Small, Medium, or a Large Drink? ")

bevS = bevS.lower()

# Drink Size Selector

if bevS == "small":

print("You want a Small Drink for $1.00")

total = total + sBevPrice

order.append("Small Drink")

elif bevS == "medium":

print("You want a Medium Drink for $1.75")

total = total + mBevPrice

order.append("Medium Drink")

elif bevS == "large":

print("You want a Large Drink for $2.25")

total = total + lBevPrice

order.append("Large Drink")

else:

print("Please restart the program and input Small, Medium, or Large")

quit()

elif bevQ == "no":

print("You do not want a drink")

order.append("No Drink")

else:

print("Please restart the program and input Yes or No")

quit()

# Iteration 3

# French Fry Selector

ffQ = input("Would you like French Fries? ")

ffQ = ffQ.lower()

# French Fry Selection Handler

if ffQ == "yes":

ffS = input("Would you like Small, Medium, or Large Fries? ")

ffS = ffS.lower()

# French Fry Size Selector

if ffS == ("small"):

print("You want Small Fries for $1.00")

ffSM = input("Would you like to have your fries Mega Sized? ")

ffSM = ffSM.lower()

if ffSM == ("yes"):

print("You want Mega Fries for $2.00")

total = total + lFFPrice

order.append("Mega Fries")

else:

print("You do not want Mega Fries")

total = total + sFFPrice

order.append("Small Fries")

elif ffS == ("medium"):

print("You want Medium Fries for $1.50")

total = total + mFFPrice

order.append("Medium Fries")

elif ffS == ("large"):

print("You want Large Fries for $2.00")

total = total + lFFPrice

order.append("Large Fries")

else:

print("Please restart the program and input Small, Medium, or Large")

quit()

elif ffQ == ("no"):

print("You do not want French Fries")

order.append("No Fries")

else:

print("Please restart the program and input Yes or No")

quit()

# Iteration 4

# Ketchup Selector

kS = input("Would you like Ketchup Packets? ")

kS = kS.lower()

# Ketchup Selection Handler

if kS == ("yes"):

# Ketchup Quantity Handler

kQ = input("How Many Packets would you like? ")

kQ = int(kQ)

if kQ >= 1:

print("You want", kQ, "Ketchup Packets for $", kQ \* kPrice)

total = total + kPrice \* kQ

order.append(f"{kQ} Ketchup Packets")

else:

print("You do not want Ketchup Packets")

elif kS == ("no"):

print("You do not want Ketchup Packets")

order.append("No Ketchup Packets")

else:

print("Please restart the program and input Yes or No")

quit()

# Receipt

print("This is your order:")

print(order[0])

print(order[1])

print(order[2])

print(order[3])

# Final Total

print("Your total is $", total)

# Loop Check

loopCheck = input("Would you like to order again? y/n ")

loopCheck = loopCheck.lower()

if loopCheck == "y":

loopCheck = True

print("Next order, coming up!")

elif loopCheck == "n":

loopCheck = False

print("Thank you for your order!")

# Reset Vars

total = (0.00)

order = []

Conclusion Questions:

1. Describe for loops and while loops.

For loops can often be used it iterate through a list, and while loops help repeating things over a certain condition

1. How can the use of functions make your code more readable?

They make it so the code is less competitive

1. How do loops change the flow of control in a *Python*program?

They help the code flow better and assidt in making it easier to read

1. How did you interpret and respond to the [**Essential Question**](https://pltw.read.inkling.com/a/b/71ce293152cf4873b7395f3d59c64a57/p/ceac1432841d4d999a519b7834eede4c#d98b3c2a6c164116a47edbd429e7db9b)? Capture your thoughts for future conversations.

I feel that the essential questions were responded too well.