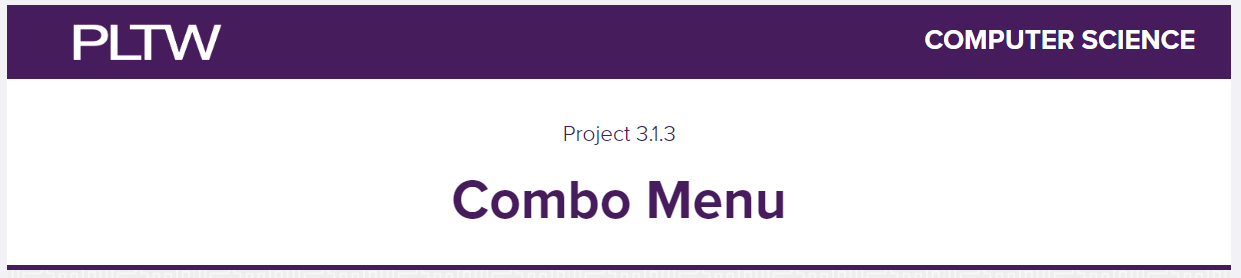
[](https://pltw.read.inkling.com/a/b/71ce293152cf4873b7395f3d59c64a57/p/667ce0d0f6bf463a8c2a3bcb4c2aa687)

Iteration 1 Pseudocode - English Version - Flow Chart (pick one or use multiple)

| Flowchart:    Pseudocode:  Iteration 1  Ask the user for a sandwich type with a user input: Chicken - $5.25, Beef - $6.25, Tofu - $5.75  sandwich : input “What type of sandwich would you like? Chicken for $5.25, Beef for $6.25, Tofu for $5.75, or none? “  Display the sandwich type using the following print statement : “You ordered a “ + sandwich + sandwich.”  print “You ordered a “ + sandwich + “ sandwich.” |
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Iteration 1: Code and output screen

Code should include a variable, an input to collect what type of sandwich the customer wants and it should print out something to the effect of “you ordered a (insert choice) sandwich”. When printing out, concatenation should be used. Prices for sandwiches can be determined and stated here but do not need to be used for calculations yet (hint, put these in a string when asking what type of sandwich they want)

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Iteration 2 Pseudocode - English Version - Flow Chart (pick one or use multiple)

| Flowchart:    Pseudocode:  Iteration 2  Ask the user for a sandwich type with a user input: Chicken - $5.25, Beef - $6.25, Tofu - $5.75, none  sandwich : input "What type of sandwich would you like? Chicken for $5.25, Beef for $6.25, Tofu for $5.75, or none? "  If the user types a type of sandwich:  Determine the sandwich cost  sandwich\_cost : 0  if (sandwich == "chicken"){  sandwich\_cost : 5.25  }  else if (sandwich == "beef"){  sandwich\_cost : 6.25  }  else if (sandwich == "tofu"){  sandwich\_cost : 5.75  }  It displays no sandwich selected if the user enters none.  else if (sandwich == "none"){  print "No sandwich selected."  }  It displays invalid sandwich choice, no sandwich added if nothing entered or not typed correctly in the sandwich type field.  else{  print "Invalid sandwich choice, no sandwich added."  }  Display the sandwich type using the following print statement : "You ordered a " + sandwich + " sandwich."  print "You ordered a " + sandwich + " sandwich." if (sandwich != "none") else "No sandwich selected."  Ask the user for a beverage with a user input  beverage : input "Would you like a beverage? (yes/no) "  beverage\_cost : 0  If the user says yes  if (beverage == "yes"){  size : input "What size of beverage would you like? small $1.00, medium $1.50, large $2.00 "  if (size == "small"){  beverage\_cost : 1  }  else if (size == "medium"){  beverage\_cost : 1.50  }  else if (size == "large"){  beverage\_cost : 2  }  If nothing entered or not typed correctly in the beverage field, it displays invalid beverage size, no beverage added.  else{  print "Invalid beverage size, no beverage added."  }  print "You selected a " + size + " beverage." if (beverage\_cost > 0) else "No beverage added."  }  If the user says no, it displays no beverage selected.  else{  print "No beverage selected."  }  Calculate and display the total cost  total\_cost : sandwich\_cost + beverage\_cost  print f"Your total cost is ${total\_cost:.2f}" |
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Iteration 2 Code and Output Screen:

Code should include the following:

* Asking the customer for and reading their input for beverage choice and size
* Repeating the drink order back to the customer with the use of concatenation
* The use of a conditional(if/then/else/elif,etc) to help the compiler determine if a drink is wanted
* The use of conditionals(if/then/else/elif,etc) to help the computer/compiler determine cost of order based on drink and sandwich order
* Calculating a running total(might need to refer back to PEMDAS in 3.1.2)
* Hint: I used if and elif statements to get through this chunk of code because one choice is needed for each….
* Hint2: you will be using a relational operator here (==, <=, >=, etc) to compare somethings which will help you determine price

Give me the output for a chicken sandwich and a large drink

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Iteration 3: Adding to existing code…FRIES!!!! YES!!!!

Collect info from the user on if they want fries

Ask them what size IF they do

IF they answer small ask them if they want to mega size

IF yes, give them large fry at small fry price

This will need to include:

Variables for fries and mega

Keeping a running total of the order

If/else

Nested conditional

(no pseudo code needed, but for extra credit you can put some in, 10 points extra credit)

| Flowchart:    Pseudocode:  Iteration 3  Ask the user for a sandwich type with a user input: Chicken - $5.25, Beef - $6.25, Tofu - $5.75, none  sandwich : input "What type of sandwich would you like? Chicken for $5.25, Beef for $6.25, Tofu for $5.75, or none? "  If the user types a type of sandwich:  Determine the sandwich cost  sandwich\_cost : 0  if (sandwich == "chicken"){  sandwich\_cost : 5.25  }  else if (sandwich == "beef"){  sandwich\_cost : 6.25  }  else if (sandwich == "tofu"){  sandwich\_cost : 5.75  }  It displays no sandwich selected if the user enters none.  else if (sandwich == "none"){  print "No sandwich selected."  }  It displays invalid sandwich choice, no sandwich added if nothing entered or not typed correctly in sandwich type field.  else{  print "Invalid sandwich choice, no sandwich added."  }  Display the sandwich type using the following print statement : "You ordered a " + sandwich + " sandwich."  print "You ordered a " + sandwich + " sandwich." if (sandwich != "none") else "No sandwich selected."  Ask the user for french fries with a user input  fries : input "Would you like french fries? (yes/no) "  fries\_cost : 0  If the user says yes  if (fries == "yes"){  ask what size would they like: small - $1.00, medium - $1.50, large - $2.00  fry\_size = input "What size of french fries would you like? small - $1.00, medium - $1.50, large - $2 "  If the user says small  if (fry\_size == "small"){  Ask the user for a megasize for their fries  mega\_size = input "Would you like to mega-size your fries to large? (yes/no) "  If the user inputs yes  if (mega\_size == "yes"){  Give them large fries at the large fries price instead of the small fries price  fry\_size : "large"  fries\_cost : 2.00  }  If the user inputs no  else{  Fries cost would be $1  fries\_cost : 1.00  }  }  elif (fry\_size == "medium"){  fries\_cost : 1.50  }  elif (fry\_size == "large"){  fries\_cost : 2.00  }  else{  If the user types it incorrectly then it will say invalid size no fries added.  print "Invalid french fry size, no fries added."  }  print f"You selected {fry\_size} fries." if fries\_cost > 0 else "No fries added."  }  If the user says no it says no fries selected.  else{  print "No fries selected."  }  Ask the user for a beverage with a user input  beverage : input "Would you like a beverage? (yes/no) "  beverage\_cost : 0  If the user says yes  if (beverage == "yes"){  size : input "What size of beverage would you like? small $1.00, medium $1.50, large $2.00 "  if (size == "small"){  beverage\_cost : 1  }  else if (size == "medium"){  beverage\_cost : 1.50  }  else if (size == "large"){  beverage\_cost : 2  }  If nothing entered or not typed correctly in beverage field, it displays invalid beverage size, no beverage added.  else{  print "Invalid beverage size, no beverage added."  }  print "You selected a " + size + " beverage." if (beverage\_cost > 0) else "No beverage added."  }  If the user says no, it displays no beverage selected.  else{  print "No beverage selected."  }  Calculate and display the total cost  total\_cost : sandwich\_cost + beverage\_cost + fries\_cost  print f"Your total cost is ${total\_cost:.2f}" |
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Iteration 4:

WE ARE NOT DOING KETCHUP PACKETS FOR THIS ITERATION, PLEASE SKIP THAT!!!! Who charges for ketchup packets???????Weird

Use Boolean Operators, if/else, elif and variables to determine a total on the order if you ordered all three, if you order only two of the three if you ordered only one of the three, etc.

Just looking for code here:

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