**Part 1**

**Pseudocode**

Get food cost

Calculate tip

Calculate tax

Calculate total

Print values

**Code**

# get the food charge from the user

food\_cost = float(input("Enter the charge for the food: $"))

# calculate  the tip (18%) and tax (7%)

tip = food\_cost \* 0.18

tax = food\_cost\* 0.07

# calculate total amount

total = food\_cost + tip + tax

# display the results

print(f"Food Charge: ${food\_cost:.2f}")

print(f"Tip (18%):   ${tip:.2f}")

print(f"Tax (7%):    ${tax:.2f}")

print(f"Total:       ${total:.2f}")

**Screenshot**

A screenshot of a computer

AI-generated content may be incorrect.

**GitHub**

<https://github.com/mnem0nic7/CSC500/tree/main/Critical%20Thinking%20Mod%203>

**Part 2**

**Pseudocode**

Get current time

Get number of hours to wait

Calculate when alarm will sound

**Code**

# get current time in hours (0-23)

current\_time = int(input("What is the current time (in hours, 0-23)?\n "))

# get the number of hours to wait for the alarm

wait\_hours = int(input("How many hours before the alarm sounds?\n "))

# calculate when the alarm will go off

alarm\_time = (current\_time + wait\_hours) % 24

# output the result

print(f"The alarm will go off at {alarm\_time}")

**Screenshot**

**A screenshot of a computer

AI-generated content may be incorrect.**

**GitHub**

<https://github.com/mnem0nic7/CSC500/tree/main/Critical%20Thinking%20Mod%203>