**Module 3 Assignment**

**Git Repository - https://github.com/damansandhu/CSU\_Global\_Module\_3\_Assignment**

1. **Pseudocode**

Part 1:

Function calculate\_meal\_total:

Prompt user to input the cost of the food (food\_cost)

Define tip\_rate as 0.18

Define tax\_rate as 0.07

Calculate tip\_amount as food\_cost \* tip\_rate

Calculate tax\_amount as food\_cost \* tax\_rate

Calculate total\_amount as food\_cost + tip\_amount + tax\_amount

Print "Cost of the food: $" followed by food\_cost formatted to 2 decimal places

Print "Tip (18%): $" followed by tip\_amount formatted to 2 decimal places

Print "Tax (7%): $" followed by tax\_amount formatted to 2 decimal places

Print "Total amount: $" followed by total\_amount formatted to 2 decimal places

Call calculate\_meal\_total function

Part 2:

Function calculate\_alarm\_time:

Prompt user to input the current time in hours (current\_time)

Prompt user to input the number of hours to wait (hours\_to\_wait)

Calculate alarm\_time as (current\_time + hours\_to\_wait) modulo 24

Print "The alarm will go off at" followed by alarm\_time formatted to 2 digits

Call calculate\_alarm\_time function

1. **Source Code**

**A screen shot of a computer program

Description automatically generated**

1. **Results**

**A black screen with yellow and green text

Description automatically generated**