Aaron Board

7/6/16

Homework 4

The program needs to give a user options to what they want to do and call the correct function to perform the desired choice.

Inputs

* Choice = string
* Calories burned = integer
* Calories consumed = integer

Outputs

* Calories burned = integer
* Calories consumed = integer
* Totals = integer
* Average = float
* Highest = integer
* Lowest = integer
* Differences = integer

30,000 foot view

* Create Functions to perform the desired calculations and outputs
* Create a main function that calls the other functions based on the users selection
* Set the weekdays, calories consumed, and calories burned as global variables

Pseudocode

* Create Functions to perform the desired calculations and outputs
  + Create a function to find the totals
    - Make a while loop that adds all the calories in the array
    - Output results
  + Create a function that finds the difference
    - Make a while loop that subtracts calories burned from calories consumed
    - Output results
  + Create a function that finds the averages
    - Make a loop that adds up the calories in the array
    - Divide the total by 7
    - Output results
  + Create a function that finds the highest values
    - Create a while loop to find the highest values
    - Output results
  + Create a function that finds the lowest values
    - Create a while loop to find the lowest values
    - Output results
* Create a main function that calls the other functions based on the users selection
  + Set a while loop to end when cont = no
    - Ask for users choice
    - Find users choice using if statements
      * Call the appropriate function
      * Have “E” exit the program by setting cont to no
* Set the weekdays, calories consumed, and calories burned as global variables