Objectives:

To test your Python writing skills of sequencing, mathematics, order of operations and decision making.

Description:

The American Heart Association suggests that **at most** 30 percent of the calories in your diet come from fat. Anything over 30 percent is considered bad for your diet. You’ll be writing a program in which the use inputs a food and calculates whether it meets the AHA’s recommendation. Food labels do not always give the percentage of fat. The percentages of fat can be calculated from the calories and that is the purpose of your program.

Assignment:

1. Name your program AHA.py and don’t forget to add the preamble.
2. Accept as input from the user, the name of the food.
3. Accept as input from the user, the total calories per serving.
4. Accept as input from the user the grams of fat per serving.
5. Calculate the percentage of fat from the calories. This can be calculated by multiplying the number of grams of fat in one serving by 9, then divide that number by the total number of calories per serving. Multiply the result by 100 to get the percentage. (0.03 x 100 = 3.0%)
6. Output the percentage of fat rounded to one (1) digit as shown in the example run.
7. Use appropriately named variables that having meaning. No single character variable names (ie x). Use the camelCase naming convention.
8. Using the appropriate decision statement, determine if the fat percentage meets the AHA’s recommendation. If it does, output that it does or does not as shown in the example run.
9. Be sure to design your output using the same format as the sample runs.
10. Provide a snippet of the shell output from your successful test run.
11. Document your code with appropriate comments.
12. You should be submitting 3 separate files in zip format.

Sample Run:



