CS 124

Unit 1 Test Practice Problems – Additional Practice

1. Write a program that reads a body temperature. If the temperature is:
   a. Greater than or equal to 100.5, then display "You have a fever".
   b. Greater than 98.5 but less than 100.5, then display "You might be getting a fever".
   c. Less than or equal to 98.5, then display "You are okay.".

   When you write the program, you should have at least 2 functions in addition to your main. The result output should be left aligned with a single tab.

2. Write a program that reads a previous weight and a new weight.
   a. If the weight increased, then output "Weight increased by ### pounds." where ### is the difference in weight (a positive number)
   b. If the weight decreased, then output "Weight decreased by ### pounds." where ### is the difference in weight (a positive number)
   c. If the weight is the same, then output "Weight did not change".

   When you write the program, you should have at least 2 functions in addition to your main. The result output should be left aligned with a single tab.

3. Write a program that asks the user for the number of hours of homework and the number of hours of sleep.
   a. If the number of hours of sleep is less than 4 hours and the number of hours of homework is greater than 8 hours, then display "You need better balance."
   b. Otherwise, display "You are doing good."

   When you write the program, you should have at least 2 functions in addition to your main. The result output should be left aligned with a single tab.