CSCE 156 – Lab: Strings & File I/O

Worksheet

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If you’ve had prior Java experience you should complete the PHP version of this lab. If you have not had prior Java experience or feel that you are deficient in Java, you should complete the Java version of this lab. It is not required to complete both, but you are highly encouraged to do so.

# Circle One: Java/PHP

1. Complete the first activity and demonstrate the webgrader output to a lab instructor. Answer the following questions.
   1. How many times does the subsequence “tag” appear?
   2. How many times does the subsequence “uga” appear?
   3. How many times does the subsequence “taa” appear?
   4. How many times does the subsequence “aaat” appear?
   5. How many times does the subsequence “gt” appear?
   6. How many times does the subsequence “agt” appear?
   7. How many times does the subsequence gatacatatgcagtgggattttcggagacaatccacgccctaat appear?
   8. Demonstrate your working code in the webgrader and have this worksheet signed by a lab TA.
2. Complete the second activity and demonstrate a working version to a lab instructor. Answer the following:
   1. Who had the best National League winning record in 2011 and what was their win percentage?
   2. Who had the worst National League winning record in 2011 and what was their win percentage?

Lab Instructor Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_