**CIS 162 Lab 8**

**Loops**

**Objectives**

After completing this lab, you should be able to:

* *write* short problem solutions involving loops

**Activity #1 CodingBat**

Complete the following CodingBat exercises from the String2 category. Complete these exercises using CodingBat, then copy your solution to the corresponding zyBooks “duringLab” exercise.

1. CatDog (We did this one during class on Monday)
2. RepeatEnd
3. X Y Balance (Hint: If you use the lastIndexOf method, your solution will be very short)
4. Mix String
5. Repeat Front (Hint: Use a loop that counts down)

**Activity #2 Zybooks – duringLab**

1. 7.18 Count multiples
2. 7.19 FindMax (We did this one during class on Monday)
3. 7.20 Hailstone Sequence

**Grading Criteria**

This lab is worth 10 points including the submission using Zybooks.