

# CIS 162 Lab 6

## Loops

### Preparation

Do the following before arriving at lab:

- Read chapter 7

### Objectives

After completing this lab, you should be able to:

- *write* short problem solutions involving loops

### Activity #1 zyBooks

Complete these three zyBooks “duringLab” exercises from Chapter 7:

- 7.18: Count Multiples
- 7.19: Find Max
- 7.20: Hailstone Sequence

Note: For the Hailstone Sequence, your `hailstone` method should use a `Scanner` to read the initial value of `n`.

### Activity #2 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 (Hint: You may want to write a helper method)
2. RepeatEnd
3. X Y Balance (Hint: If you use `substring` and `indexOf`, this method need only be 5 lines line)
4. Mix String
5. Repeat Front (Hint: Use a loop that counts down)

Show your instructor when complete with Five green checkmarks

### Grading Criteria

This lab is worth 1 point in addition to the completed zyLabs.