**CIS 162 Midterm**

**Study Guide**

**Date:** Wednesday, October 24, 2018

**Notes:**

* Worth 12% of the grade
* A total of 100 points: 30 points writing code (small methods), and 70 points for concepts/tracing code.
* You will be given the methods of the classes that are needed – String class and Random class.

**Topic List:**

* Writing code using if statements, Strings and loops (while, for)
* Project-2 question: You will be asked to write code from project-2 or make an extension of a method from project-2.
* Concepts / tracing code
* Tracing code with method calls, if statements, loops and Strings
* Data types, arithmetic expressions, data types conversion
* Using the Random class and the String class
* Terms and key concepts about classes, instance variables, constructors, instantiating objects of a class and method calls

**How to prepare for the test:**

* Review all the quizzes that you have taken
* Practice with Codingbat.com (Warmup-1 , String-1, String-2 and Logic-1)
* Review project-2
* Study from the book (chapters 1 – 7 ) and study your notes taken during class
* Study/review the activities that you did during class (The handouts that I gave you during class)
* Concentrate on the topics we went over during class