CS 1400 – Fall 2019
Assignment #7

Introduction
You will complete two programs to give you experience with:

- Selections
- Comparisons
- Conditionals
- Random numbers
- Logical operators

Task 1
Programming Exercise 4.17 (in book)

Make sure to read the rubric to see the additional requirements.

Rubric
5 pts: Software Development Lifecycle Plan
5 pts: User is prompted for input and can enter values properly
20 pts: All tested input results in proper output
5 pts: Proper naming conventions for variable names
5 pts: Proper comments at the top of the file with your name, assignment number, and description of the program.

Task 2
Programming Exercise 4.29 (in book)

Make sure to read the rubric to see the additional requirements.

Rubric
3 pts: Software Development Lifecycle Plan
2 pts: User is prompted for input and can enter values properly (Note: You must get values one at a time, not a comma separated list)
20 pts: Properly detect a circle inside another circle, and determine which circle is inside which circle (NOTE the difference from book requirements)
10 pts: Properly detect circles overlapping
10 pts: Properly detect circles that do not overlap at all
10 pts: Properly display message indicating the results of the checks (previous 3 rubric items)
3 pts: Proper naming conventions for variable names
2 pts: Proper comments at the top of the file with your name, assignment number, and description of the program.

Helpers
Remember that you can find solutions to the even programming exercises online. Check Canvas for a link. These are suggestions for you to do. They are not part of the assignment, and you do not have to turn them in.

Exercises: 4.4, 4.16, 4.28