CS 1400 – Fall 2019
Assignment #5

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

- Operators
- Data Types
- Augmented Operators
- Type Conversion
- Rounding

Task 1
Programming Exercise 2.19
Do not do any calculations in the print statement. Use variables and assignment operators, then print the values of the variables You can assume that the user will only enter valid non-negative numbers.

Rubric
10 pts: User is prompted for input and can enter values properly
10 pts: Output is displayed properly
10 pts: All tested input results in proper output
10 pts: Variables and assignment operators used properly
10 pts: Proper comments at the top of the file with your name, assignment number, and description of the program.

Task 2
Write a program that draws a target, such as one that would be used in archery. Ask the user for input for the location of the center of the target, as well as the diameter of the bullseye (center yellow) circle. Your target should have four circles, each one a different color. Make each larger circle have a radius that is larger than the next smallest circle by the amount of the radius of the bullseye. You can assume that the user will only enter valid non-negative numbers.

Use augmented operators in your program

Rubric
10 pts: User is prompted for input and can enter values properly
10 pts: Target is centered on point given
10 pts: Each circle is the proper size
10 pts: Augmented operator used properly (should use many times!)
10 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: 2.20, 2.24, 2.26