# CTI 110

# P3T1: Areas of Rectangles

# Assignment

Write a program that asks for the length and width of two rectangles. The program should tell the user which rectangle has the greater area, or if the two rectangles have equal area.

As always, you should begin with the appropriate comment block.

Write the program, test it, and submit it through Blackboard. Finally, upload the file to your online repository.

**Suggested variables:** I’ll leave variable names up to you, but remember you have two rectangles and that each one has its own length, width, and area.

# Tips

The area of a rectangle is its length multiplied by its width.

This program’s logic should have three branches:

1. The first rectangle has the larger area
2. The second rectangle has the larger area
3. Both rectangles have equal area

When you test this program, it’s necessary to feed it input that exercises all three branches. Making sure you’ve actually run all the code you’ve written is called **code coverage**. As a general rule, it’s essential that you test all the code you write, not just one or two branches.