

The following programming exercise makes good use of the things we covered in this week's material. This is a practice programming assignment and is not submitted for grading. However, you can ask questions on this exercise just as you would with a graded exercise. Please use this week's discussion board for questions (or send me email if the questions are specific to you and your application). Enjoy!

Program: Circumference of a circle

Write and test a program that computes the circumference of a circle using the formula $\text{Circumference} = 2 * \text{radius} * 3.14$. The program should prompt the user for the circle's radius using the Python **input** statement. Display the result using the Python **print** statement along with appropriately descriptive text.

Use IDLE to create and run this program as a Python script called **circumference.py** and test it with multiple input values.

Hint: Remember that the **input** statement will automatically convert the user's input to a string. Since your calculation will use the floating-point value 3.14, you will need to convert the input to a floating-point type to avoid a Traceback error.