

# COSC 120 – Lab #4

## Whoop de Loop.

Purpose: While loop practice!

Tasks:

- 1.) Open BlueJ and start a new Project called Lab4. Make sure that if you are working on the lab computers that you are creating this project on your Desktop.
- 2.) Create a new class called Lab4. In this class, you will create one method: calculateMPG. For this method, you will get the miles driven and gallons used from a user for several tankfuls of gas. From this information, you will calculate the miles per gallon over all of the data. You should use a Scanner to get the input from the user and a sentinel controlled while loop. Assume that if the user enters -1 for the miles driven that they are done entering data.

Once computed, you should print out the result. Your calculations should produce floating point numbers.

- 3.) After the methods are complete, compile and create a Lab4 object then run the method.
- 4.) Show your output to your TA.

Things needed: sentinel controlled while loops, Scanner, println.