# CSC 150: Computer Science I

# Assignment 2

Top-Down Design with Functions

**Learning Objectives**

* To understand how control flows between function main and other functions
* To learn how to pass information to functions using input arguments
* To learn how to return a value from a function

Write a program that calculates the speed of sound (*a*) in air of a given temperature *T(˚F)*. The formula to compute the speed in ft/sec is:

Use separate functions to:

* Print directions for the user.
* Read the temperature from the user.
* Calculate the speed.
* Print the temperature entered by the user and the speed of sound in air at that temperature, appropriately labeled with exactly 1 decimal place.

Compile, run and test your program.

Submit the working .c file in the Assignment 2 Dropbox.

Grading Rubric

