

Lab 02 - Scaled Ingredients

Learning Objective: demonstrate an understanding of data manipulation, input, and formatted output

Sometimes a recipe makes a lot more or a lot less than what you really need. For this lab you will be making a program that will ask the user for the number of servings they want to make then calculate the amount of each ingredient needed.

Step 1: Find a recipe you want to use for this lab. It can be a family recipe, one on the back of a box in your pantry, or something you found online. It should have at least 4 ingredients. In the documentation at the top of the lab tell me why you chose your recipe and what the original number of servings is (look for something like "makes 12").

Step 2: Make a variable that stores the user's desired number of servings. Be sure to type cast their input to be an int type.

Step 3: Make a variable that stores the ratio of desired servings divided by original servings. This is your scale factor for each of the ingredients.

Step 4: Output the recipe with the scaled amount for each ingredient followed by the directions. To make it look neat, output only two decimal places for each amount and put each ingredient on its own line.

There are no automated tests for this lab so just double check that you completed all of the steps above before submitting.