

# CSCI 256 – Programming in Python

## Program 1

Fall 2022

### Programming Activity

A cookie recipe calls for the following ingredients:

- 1.5 cups of sugar
- 1 cup of butter
- 2.75 cups of flour

The recipe produces 48 cookies with this amount of the ingredients. Write a program that asks the user how many cookies he or she wants to make, then displays the number of cups of each ingredient needed for the specified number of cookies.

You can name your program **recipeYourLastName.py**

```
# prompt for input

# calculate number of cups of each ingredient needed

# display the output (output 2 decimal places)
```

### **Sample Output**

```
Enter number of cookies you want to make: 200

Using this cookie recipe, you need:
6.25 cups of sugar
4.17 cups of butter
11.46 cups of flour
```

Include header comments (i.e., **at the beginning of your file**) formatted as shown below. Your electronic submission of the program file will represent your endorsement of the Honor Code Statement.

```
# Course: CSCI 256, Section 1
# Student Name: Jane Doe
# Student ID: 12345678
# Program 1
# Due Date:

# In keeping with the Honor Code of UM, I have neither given nor
# received assistance from anyone other than the TA or the instructor.

# Program Description:
```

**Notice:** You need to submit **your program** in Blackboard. Click on **Program 1** link in Bb, click **Browse My Computer**, attach the program, and click **Submit**.