# **M2Lab Modularizing Code (Review and Instructions)**

**Introduction**:

Assignment requires correcting a given program.

**Review (Read this part first):**

**Part 1 Review**:

Download and save the following files. *(both linked to post)*

* *Convert\_temperatures.py*
* *Temperature.py*

Run the convert temperature python file and follow the program directions.

It should run with no issues.

Make sure to review the structure of both programs.

Notice how I import the temperature python file into my convert temperature python file and make use of the functions to\_celsius and to\_fahrenheit.

Notice the importing of temperature is given an alias of temp (import temperature as temp).

The use of temp name is so I do not need to type out temperature each time. I could have just the letter "t" if I wanted.

Now that you have reviewed these files proceed to Part 2 of the assignment.

**Part 2 (Required files for assignment):**

**Save and open the “rock\_paper\_scissors.py” file. *File is linked to post.***

You should save this program to the same folder you created in for files you downloaded in Part 1. This just makes it simple to find your python programs.

Next, run rock\_paper\_scissors program

**Make sure it works by entering a choice (1 for Rock, 2 for Paper, 3 for Scissors). Once choice is entered, the program should tell you if you won or lost.**

**Now let’s do something with it to demo the import of another file to a file**

**Instructions**:

Make sure you have followed the instructions above before attempting to complete the assignment and start with this part. The instructions below list the assignment requirements.  
  
1. **You will convert the "rock\_paper\_scissors" program, linked above, into two python files**.  
2. **One python file called lastnamefirstname\_game.py will use an import statement to call the other file called firstnamelastname\_game\_functions.py.  
3. lastnamefirstname\_game\_functions will have the rockPaperScissors() and choiceString() functions.**4. **lastnamefirstname\_game will have the main () function in it with calls to appropriate functions. You will need to figure out where the constants and variables should go.  
5. Be sure to review the files given in Part 1 for how the calls are handled.**  
6. Add a title comment block to the top of the new Python files. See example below  
  
# A brief description of the project  
# Date  
# **CSC121- M2Lab Code Modularizing**  
# Your Name

7. Test the program to make sure it works just as it did before modularize it.

8. Now enhance the program and add code that allows the user to play the game again if they want to. Hint: if user wins/loses, program is to ask user if they want to play again. If user enters yes, run program again. If no, terminate program.

9. Put both files into a folder (lastnamefirstname\_M2Lab). Compress/Zip the folder.

10. **Submit** your compressed file with your finished code solution file(s) through this assignment link by the posted deadline

**Note**: Write program Pseudocode (detail algorithm) and add it as a comment block to the submitted program. (10 points)

**Grading criteria**:

Refer to the grading criteria posted in the "**Assignments tab**"