

## Python – Basics 5a - In Class Practice

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1. Create a Python program on repl.it with the title “Practice1”. In this program, the program should take 2 integers from the user (lower first, then higher) and pass them to a custom method called *ranGen*. The custom method should use those numbers to print 5 random numbers that are in that range. Be sure to call the custom method with the correct global variables and do all operations within the method with unique local variables.

### Planning (DO THIS FIRST):

- a. What global variables will you have (name and what they represent)?
- b. Where will the global variables come from (programmed or user input)?
- c. Will there be any information brought into your custom method? If yes, what?
- d. What variables will you use in your custom method? If yes, what names and what will they represent?
- e. Will your custom method return any information to the main? If so, what *type* will it be and what variable will it be saved to?
- f. If there is any returned information from the custom method, what will it be used for?

**<COPY AND PASTE THE SOURCE CODE FOR THE PROGRAM HERE>**

**<INSERT SCREENSHOTS OF THE PROGRAM AFTER RUNNING>**

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2. Create a Python program on repl.it with the title “Practice2”. The program should take a string input from the user and pass it to a custom method called *firstLetter*. First letter should find and return the first letter of the word and return it to be saved as a global variable. The program should then print the first letter variable.

### Planning (DO THIS FIRST):

- a. What global variables will you have (name and what they represent)?
- b. Where will the global variables come from (programmed or user input)?
- c. Will there be any information brought into your custom method? If yes, what?
- d. What variables will you use in your custom method? If yes, what names and what will they represent?
- e. Will your custom method return any information to the main? If so, what *type* will it be and what variable will it be saved to?
- f. If there is any returned information from the custom method, what will it be used for?

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3. Create a Python program on repl.it with the title “Practice3”. The program should take 5 float numbers from the user. Then, it should define a custom method called *triple* that takes only one parameter and triples it. The method should be called 5 times, one for each user input, and save the returned numbers in 5 different result variables. Then, it should print all 5 result variables.

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- d. What variables will you use in your custom method? If yes, what names and what will they represent?
- e. Will your custom method return any information to the main? If so, what *type* will it be and what variable will it be saved to?
- f. If there is any returned information from the custom method, what will it be used for?

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