***Experiment Three***: Thinking About Variables

*Experimentation is your superpower!*

*Let's experiment to learn a little bit more about variables in Python. Complete the eight tasks below to think/learn about variables in Python.*

*First, let's review…*

*Use your notes in your composition book to answer the questions that follow.*

1. What is a "variable"?
2. What is an "operator"?
3. What is the Python operator used to ask the computer to remember information?

*Next, let's experiment.*

*Navigate to* [*http://repl.it*](http://repl.it/) *, log in to your personal account, and create a new Python project named* **experiment3***.*

*Follow the instructions below.*

1. Type the Python instructions that appear below press "Run". Remember that you must precisely type/copy the instructions for the computer to avoid errors! When you have fixed any mistakes, move on.

Text

Description automatically generated

What did the computer output as a result of successfully following the instruction that you typed?

Why might Mr. Márquez say "on line 1, the computer remembered information that is used on lines 2 and 3"?

1. Type the Python instructions that appear below press "Run". Remember that you must precisely type/copy the instructions for the computer to avoid errors! After fixing any mistakes, when the computer prompts you for a response, type an answer and press enter.

Graphical user interface

Description automatically generated with low confidence

Why do you think that the code uses two variables?

1. Type the Python instructions that appear below press "Run". Remember that you must precisely type/copy the instructions for the computer to avoid errors! After fixing any mistakes, when the computer prompts you for responses, type answers and press enter after each one.

Text

Description automatically generated

What do you think that the instruction on line 2 is teaching the computer to do?

What do you think that the instruction on line 4 is teaching the computer to do?

*When learning something new, it's important to reflect on this experience.*

1. What is one thing that you learned in completing the work in this assignment?
2. What are you still wondering or are still confused about?