Discussion 4: Scoping and Mutability

Scoping

1. For each of the following code snippets, write what the Sprite would say after the script executes. If you believe the code produces an error, write “Error.”

a. Assume we create a global variable named global (and no other global variables) and then run the script below.

b. Assume we create a global variable named Dan and then run the script below.

c.

d.
Mutability

1. What are the values of x and y after the scripts below stop running?

a. x: ______________
y: ______________

b. x: ______________
y: ______________

c. x: ______________
y: ______________

2. Fill in the block copy below so that after the script to the right runs, x is list 1 2 3 4 and y is list 1 2 3.

copy of (list):