Visualizing Assignment Statements

On the Resources page is a link to a Python Visualizer that follows the model we use to draw pictures of computer memory.

Consider this code:

```
x = 1
y = x + 2
x = 7
```

When we trace this in the visualizer and click button Forward twice, this is the result:

Clicking Forward once more results in this:

Notice that y's value did not change during this step.

Here is a link to the Python Visualizer containing this code so that you can explore this yourself. **We strongly encourage you to step forward and backward through this program until you understand every step of execution.**