

Iteration with While Loops

Journal

- Students will describe how iteration can be performed in Python using while loops.
- Students will demonstrate that for and while loops can be written (nested) inside of other for and while loops.
- Students will describe programs that are developed for creative expression, to satisfy personal curiosity, or to create new knowledge and that these programs may be developed with different standards or methods than programs developed for widespread distribution.
- Students will work together to facilitate collaborative work.

What will print if we run this program segment?

$y += 1$

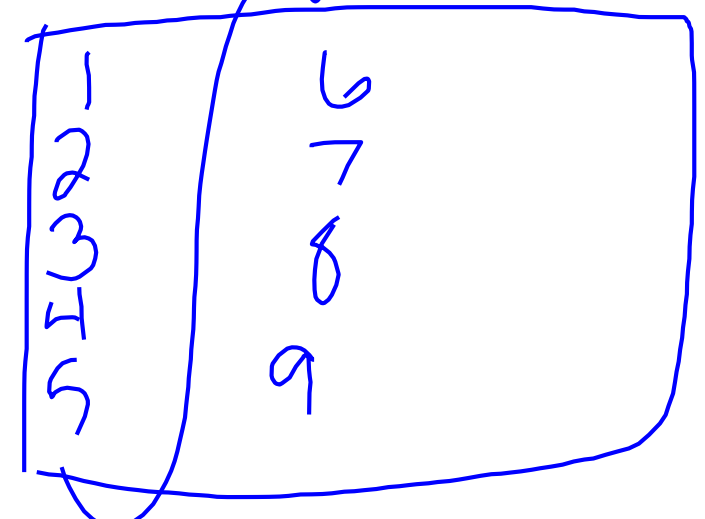
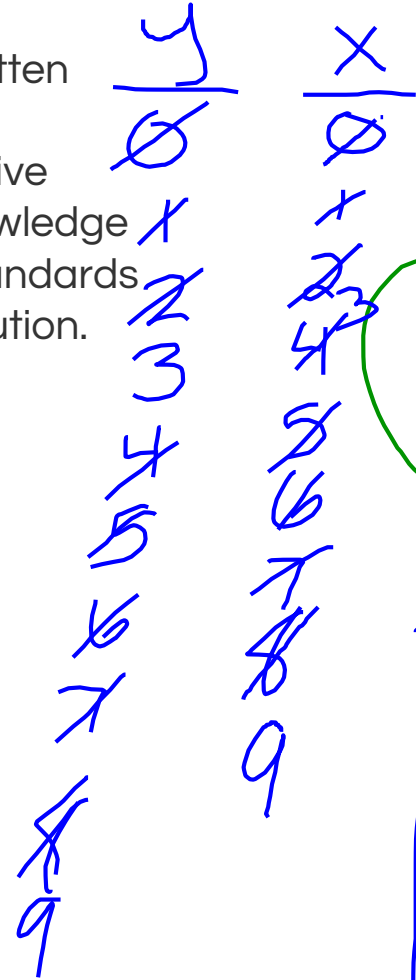
$y = 0$

for x in range(0, 8)

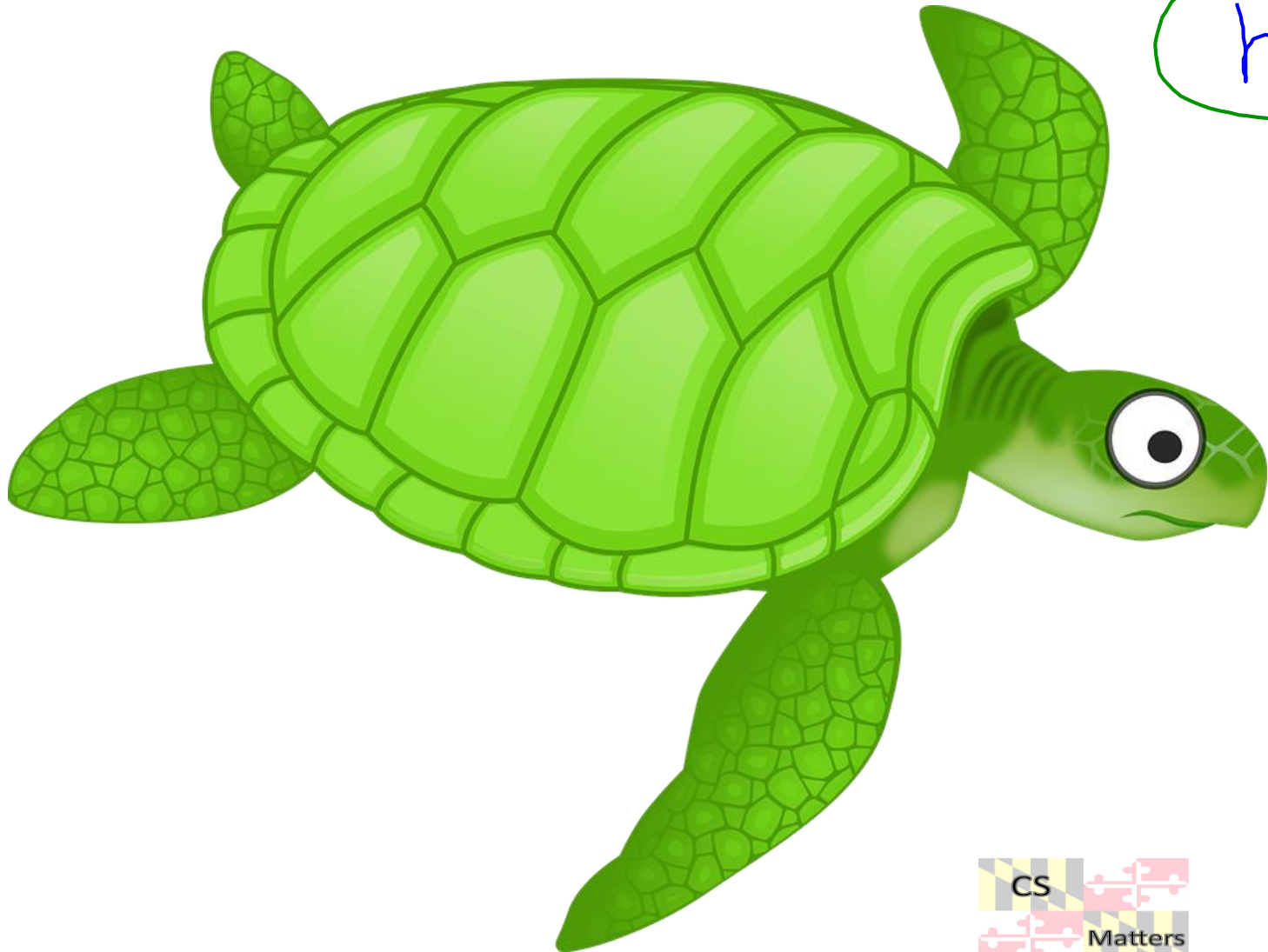
~~$y += 1$~~ \rightarrow $y = y + 1$

print(y)

$(x + 1)$



Guided Activity with python & Turtles



<http://repl.it>

python
w/turtles

Runestone turtle lessons

Python Turtle Graphics

Hello Little Turtles!

Our First Turtle Program

Instances — A Herd of Turtles

The for Loop

Flow of Execution of the for Loop

Iteration Simplifies our Turtle Program

The range Function

A Few More turtle Methods and Observations

Summary of Turtle Methods

