**More About Iteration Section 2**

**Python Reading (15 pts)**

Read the [More About Iteration](http://interactivepython.org/runestone/static/thinkcspy/toc.html)chapter from the section entitled *The 3n+1 Sequence* through the section entitled *Simple Tables*.

Watch: [The Internet of Things](https://www.youtube.com/watch?v=sfEbMV295Kk)

**Check Your Understanding**

**Directions: Provide an answer for each question directly after the question on the copy of this document that you saved to your drive – please save it with the same name I have given it. When appropriate, you need to answer in complete sentences.**

1. Give a definition of the Internet of Things (IoT). This doesn't have to be from the video. (2 pts)

The IoT is everything that is connected through Wi-Fi. It can be anything from phones or cars or other neat stuff.

1. Does the idea excite you or make you feel like we are getting closer and closer to machines taking over? Why? (3 pts)

The idea of machines taking over excites me!

1. **Write a program that prints an n (the number of rows from 1 to n) by m (the number of columns from 1 to m) multiplication table.** (15 pts) For example, **table(4,5)** might produce:

\* | 1 2 3 4 5

---+---------------

1 | 1 2 3 4 5

2 | 2 4 6 8 10

3 | 3 6 9 12 15

4 | 4 8 12 16 20

**\*Be sure that your table is nicely formatted like the one above.**

**Helpful Info**

**print("Hello, ", end = "")   \*add the second argument end = "" makes it stay on the same line so the next print() prints right next to Hello,**

**print("everyone!")               \*print() without the second argument returns to next line after printing**

**print("How are you?"**

**displays:           Hello, everyone!**

**How are you?**