Unit 2 Lab 1
Learning Targets

Essential Questions

- What is Python again?
- What are some common Python data structures?
- How do we create custom Python functions?

Key takeaways

- Python is one of the most popular programming languages in use and has easy to understand syntax.
- Besides "variables", python has a few more useful data structures:
    - Strings
    - Tuples
    - Lists
    - Dictionaries
- Use the `def` keyword to create a new function.
- Functions can use arguments and return values.
- There are three types of errors found when programming.

Teaching Tips

Labs in Unit 2 are meant to act as a refresher to some of the important Python programming concepts which may be used later in the course.

Always remind students, Python, like other programming languages, has 6 basic programming abilities:

- Math
- Use inputs
- Use outputs
- Make and Use variables
- Make decisions (If-Then)
- Loop/Repeat