

Week 1: Day 1 - Exercises & Practice

(basics lecture)

1. Terminal use practice:
 - a. file system navigation via the terminal
 - b. file creation, deletion, movement
2. Basic printing in Python:
 - a. print a statement in the *interactive shell*
3. Trial run of `script.py`:
 - a. running from command line with permissions
 - b. running from IDE of your choice

(variables lecture)

1. Pizza volume calculation script
 - a. use variables for all numbers (volume, radius, height)
2. Bad whitespace script.py
 - a. fix the whitespaces in `bad_whitespace.py` and make it less horrible
 - b. play around with introducing whitespaces and see where code breaks
3. Commented pizza volume script
 - a. add a *docstring* /multi-line comment) to explain what your code does
 - b. label each variable with a comment
4. Greeter program using `input()` function
 - a. program should take in your name, and print out a hello message
 - b. use *f-string* in the print statement
 - c. slice and dice your name to return something funny
5. Replacement within a string
 - a. create string with words separated by commas (,)
 - b. replace commas with spaces
 - c. print out resulting string
 - d. add more string operations
6. String splitting
 - a. Take in as input your first and last name as one string
 - b. Split it into two separate names, one name per string
7. Pizza code but with user input
 - a. modify pizza script so that each variable takes an input from the user
 - b. then calculate the volume of the pizza
 - c. output this to the user
8. Extra string exercises
 - a. reverse a string, like your name
 - b. check if a string is numeric or alphanumeric