**Tester Legend:** Not Started Yet 🐈, In Progress 🚧, Complete ✅

**Tester Instructions:** Record the time it took you complete the module after your name (ex: Charles ✅, 45 minutes). Describe your problem solving process in a comment near the top (did you check resources like stackoverflow, was it too hard, too easy, and overarching feedback). Also feel free to add specific comments at any point in the module for more specific feedback.

Module List (modules in red are not done yet)

1. Flowcharts and pseudocode
   1. Agile framework
   2. **Owner: David** 🚧
   3. **Testers:** 
      1. **Charles** 🐈

Module Checklist

* Introduction starts with overview, “why do we care”
  + Include IRL engaging activity
* Objective section
* Background knowledge required
* Mention any projects or games included in this module
* Adhere to format: “New piece of information” ➡️ “Let student play with new piece of information”

Ex: *Lists are a data structure that allow us to hold information*

*print([“a”, “b”, “c”])*

*Lists can also hold different types of data*

*print([“a”, 2, True])*

* Where possible, redefine variables within each cell instead of using ones from previous cells.
* Make it obvious when a cell depends on the result of a previous cell.
* In general, try to front load with comments and explanations any part of the module that can “break”. Try to use the explicit variable names in functions, potentially include 1 or 2 lines of the documentation.

1. Jupyter Notebook, Variables, data types, and printing
   1. In/ out, kernel, cells, linear programming
   2. Modules and imports
   3. **Owner: David**
   4. **Testers:**
      1. **Grace** ✅
      2. **Charles** ✅, 10-15 minutes
2. User I/O
   1. **Owner: Sam**
   2. **Testers**
      1. **David** ✅
      2. **Charles** ✅, 5-10 minutes
3. Conditionals (if/ else)
   1. **Owner: Grace**
   2. **Testers**
      1. **Sam** 🚧
      2. **David** ✅
4. Loops (for/ while)
   1. **Owner: Sam**
   2. **Testers**
      1. **Grace ✅**
      2. **David** 🚧
5. Lists and indexing, tuples
   1. **Owner: David**
   2. **Testers**
      1. **Sam ✅** 60 min
      2. **Charles ✅**
6. Dictionaries
   1. **Owner: Grace**
   2. **Testers**
      1. **Sam** ✅10 min before go fish
      2. **David** 🐈
7. Arrays/numpy
   1. **Owner: Sam**
   2. **Testers:** 
      1. **David** 🐈
      2. **Charles** ✅
8. Functions (David)
   1. **Owner: David**
   2. **Testers**
      1. **Sam** 🚧
      2. **Charles** 🚧
   3. Functional programming
   4. Modularization
9. Plotting (matplotlib)
   1. **Owner: Vincen?**
   2. **Testers**
      1. **Charles** 🐈
10. Final project
    1. **Owner: Charles**
    2. **Testers**
       1. **Sam** 🐈
       2. **David** 🐈