

CSC148 Summer 2018: Exercise 2

Due: Thursday, May 24th @ 11PM

In this exercise, you are to implement classes and inherit from one based on the client code provided.

To start, download [ex2.py](#) and [ex2_pyta.txt](#) and read through the code provided in the `if __name__ == '__main__':` block.

You are to define classes that fulfill the requirements of the client code provided. The attributes and internal workings of the class are up to you, as long as the code can run without raising any `AssertionErrors` and works how we'd expect. We **will** test your code with other examples, so your code should work for more general cases.

Any assumptions you can make about the client code is specified in `ex2.py` as comments.

Please document your code properly (type annotations, writing docstrings and docstring examples, etc.).

This exercise will require you to have PythonTA installed. If you haven't done so already, go through [lab1](#) and the instructions on the [Software](#) page to install and set up PyCharm with PythonTA.

Submission

Exercises are to be submitted through [MarkUs](#) in the `ex2` folder. Submit only `ex2.py`.

To log in to MarkUs, use your UTORid as the log-in name. The password is your teaching labs password. If you have not set this up or have forgotten your password, go to the [Teaching Lab's Account Management Page](#) and (re)set your password.

Grading Scheme

This exercise will be graded out of 4 marks, broken down as follows:

- 2 marks for being able to run the client code without issue (no assertion errors raised)
- 1 mark for passing PythonTA
- 1 mark for passing hidden test cases (which use your client code in other ways)

All of these marks are 'all-or-nothing' (i.e. you'll either get 0 on that criteria, or full marks).