

Exercises, Week 3, Day 3

1. Take the graph class from the previous lesson, and make it “safe”, with assertions. For example, the `deleteNode` function should complain if it is given a non-existent node.
2. Write a class `Time`, with a constructor that takes hours, minutes and seconds.
3. Give the `Time` class methods such that two time objects can be added and subtracted. It should also have a `__str__` method that prints itself out in an `HH:MM:SS` format. Of course, it should be bullet-proofed with assertions.
4. Create a class with two methods, “`f()`” and `g()`. In `g()`, throw an exception of a new class that you define. In `f()`, call `g()`, catch its exception and, in the `except` clause, throw a different exception (of a second type that you define).