I found the pytest library for further ways to test my code. Well its contains unittest but has a lot more user friendly API and error handling. The variable declarations seem to be easy and the auto-discovery of test modules and functions makes them seen even easier than unittest. Inorder to use this library I need to do an extra install for it doesn't come installed with python. The framework appears to be mostly built off of unittest, pytest versus unittest is kinda like C++ versus C.