

The coding practices I chose to include in my demonstration were KISS, DRY Code, and Common Commenting Errors

In my GoodCode file, I wrote the class for Calculator using these recommended practices. I kept the code as short and simple as possible to keep it maintainable with confusion, which is how I used the KISS principle. Since the code itself was very basic and short, there was no room for repetition as python already knows the basic arithmetic operations, which uses the DRY Code principle. Finally, I made sure to document every method created and what it does. I gave the class a description along with my name and the course it is for, following the Documentation principle.

In my BadCode file, I wrote the class for calculator, using the improper practices to violate these principles in coding. I did not give any information about the code in any comments, and the comments that were made, were not necessary, they were repetitive, and disorganized, violating the documenting code principles. I also overcomplicated the code, and did not use the arithmetic operations given to me in Python. I added more code than necessary, and added variables that did not need to be declared. In doing so, this code violates the KISS principle. Finally, the code I wrote and comments I wrote are both very repetitive. The code is very unnecessary and repeats itself a lot, the documentation repeats things like "Returns e" or comments that are not needed.