

The tool I used is called Pylint. It is a static code analysis tool to identify errors in Python code and helps programmers enforce good coding style. This tool enables them debugging complex code with less manual work. It is one of the tools which gets used for test-driven development. Although Pylint isn't included in the Python standard library, it is part of the pip packages for Python, which I installed by typing "pip install pylint" at the command line. Not only does Pylint check for bugs and potential bugs, but also acts as a quality and style checker as well. PEP 8 is a style guide that defines Pylint will format the given python code to maximize its readability.

I ran my code snippets on Microsoft's Visual Studio Code text editor on the MAC-OS. The program was purposefully written with various styling issues such as redundant white-spaces that are in between keywords, trailing whitespaces, unused variables, improper naming of variables, and empty exceptions. The results were promising as it was able to point out all of the issues mentioned above. The execution time was about 0.09 milliseconds. There were no false positives, alarms, and after getting the hang of the different features Pylint has to offer such as disabling certain warnings, using a static code analyzer such as Pylint was not so bad.