Report for Python Code

For my assignment, I used **pylint, flake8, and bandit** to check and improve the quality of my Python code, my\_script.py.

At first, **my pylint** score was 7.80/10 because of missing docstrings, some variables not following naming conventions, and a missing final newline. To fix this, I added docstrings to the module and functions, renamed the variables to be in uppercase and added a final newline. After that, **my pylint** score went up to 10/10. For **flake8**, I fixed problems like incorrect comment spacing, missing blank lines, long lines of code, and the missing final newline. Once I made these changes, there were no more issues. I also ran **bandit** to check for security problems and didn’t find any major issues, so the code is secure as well.

#### **Before Improvement:**

* **Total Lines of Code (LOC):** 45
* **Physical Lines of Code (PLOC):** 32
* **Comment Lines:** 2

#### **After Improvement:**

* **Total Lines of Code (LOC):** 50
* **Physical Lines of Code (PLOC):** 35
* **Comment Lines:** 9