Refer to the Mertz (2019) resource. Use some Python code which you have developed in the past and apply at least 3 of the strategies presented at the source to improve its quality. You can use the Jupyter Notebook workspace in Codio and save your work to your GitHub repository.

Below is code I had previously written for practice:

```
class Fun:
         cnt = 0
         def __init__(self):
             print(Fun.cnt)
         def inc(self):
             Fun.cnt+=1
             print(Fun.cnt)
11
12
     amy = Fun()
     michael = Fun()
     charmaine = Fun()
     Johan = Fun()
16
     for object in (amy, michael, charmaine, Johan):
         object.inc()
```

The three strategies used to improve the code quality:

- 1. Use an Integrated Development Environment (IDE). In this case Visual Studio Code (Mertz, 2019).
- 2. Use a style guide (Mertz, 2019). PEP8 in this instance (Python Software Foundation, N.D).
- 3. Add documentation in various forms e.g. good variable names, doc strings (Mertz, 2019).

```
'''This module implements the Fun data structure where various users
        can work as a team on a single shared object.
 4
     class Fun:
 6
             and activities to do with it.
 9
         cnt = 0
12
         def __init__(self):
             print(Fun.cnt)
         def increment(self):
              '''Increments class variable cnt'''
16
              Fun.cnt+=1
             print(Fun.cnt)
21
     #Main control flow begins here
     amy = Fun()
     michael = Fun()
     charmaine = Fun()
     Johan = Fun()
27
     for object in (amy, michael, charmaine, Johan):
         object.inc()
```

References:

Mertz, J. (2019) Writing Clean and Pythonic Code. Jet Propulsion Laboratory California Institute of Technology.

Python Software Foundation (N.D) PEP 8 – Style Guide for Python Code. Available from: https://peps.python.org/pep-0008/#blank-lines [Accessed 1 July 2023].