**Programming Style**

1. Understanding Python’s PEP 8 guidelines.

* PEP 8 is the style guide for Python that improves the readability of the code and helps maintain consistency. Its key principles include:
* **Indentation**: Use **4 spaces per indentation level** to ensure uniformity.
* **Line Length**: Keep lines of code within **79 characters** for better readability.
* **Blank Lines**: Use blank lines to separate functions, classes, and logical sections of code.

1. Indentation, comments, and naming conventions in Python.

* Indentation:
* Indentation is mandatory in Python and replaces the use of {} for defining blocks. For example:
* def fun ():

print("Hello!") # Indented by 4 spaces

* Comments:
* **Single-line comments**: Use # to add comments. E.g., # This is a comment.
* **Multi-line comments (docstrings)**: Use triple quotes (""") to describe the purpose of functions, classes, or modules.
* **Naming Conventions:**

 **Variables/Functions**: Use snake\_case (e.g., user\_name, get\_data()).

 **Constants**: Use UPPER\_CASE (e.g., MAX\_VALUE).

 **Classes**: Use PascalCase (e.g., StudentDetails).

 **Private Members**: Prefix names with \_ (e.g., \_private\_var).