# #10_ Pylint

18/05/2025

- Pylint is a static code analyzer for Python. Provides:
  - style advice
  - analyses code
  - advice on possible logical errors.

## Style format

- Pylint enforces PEP8 style guidelines.

## Code linting

- A code linter examines code for common mistakes

## Installing pylint

1. Create virtual environment (Note: This was done in assignment #5)
2. Run pip install pylint (May need to use pip3 install pylint)
3. Do this for every virtual environment.
   (I set up env-a, env-b, env-c during assignment #5)

## Running Pylint:

% pylint python_file_name.py

## Configuring Pylint

- .pylintrc is normally contained in project directory.
- .pylintrc is a configuration file used to customize Pylint behaviour.
  - enable/disable specific rules or warnings
  - set code style references
  - customize naming conventions
  - ignore specific rules or directories
  - control import order or docstring requirements.

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- Create .pylint.rc in command line

```
cd Project_directory
touch .pylintrc
```

- best to not nest .pylintrc files. Stick to only one in the root directory.

## Using Pylint with Visual Studio Code (VSCode)

1. Open VScode
   - open Command Palette from View menu
   - type "shell" → select "Shell Command: Install 'code' command in PATH".
   - close VScode
2. Reopen Terminal
3. Set directory to project directory
4. (Optionally) activate a virtual environment
5. Create LS .pylintrc file in the project directory.
6. Open VScode from the command line:
   type code . to open the current directory.