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# **flake2lint**

***Release 0.4.3***

**Tool and pre-commit hook to augment Flake8 noqa comments with PyLint comments.**

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## Installation

### 1.1 from PyPI

```
$ python3 -m pip install flake2lint --user
```

### 1.2 from GitHub

```
$ python3 -m pip install git+https://github.com/domdfcoding/flake2lint@master --user
```



## Usage

### 2.1 flake2lint

Augment Flake8 noqa comments with PyLint comments.

```
flake2lint [OPTIONS] [FILENAMES]...
```

#### Options

- v, --verbose**  
Show verbose output.
- r, --recursive**  
Permits the use of the pattern `***` to match any files, directories and subdirectories.

#### Arguments

##### **FILENAMES**

Optional argument(s). Default None

Changed in version 0.3.0: Added the `-v` / `--verbose` option.

### 2.2 pre-commit hook

Sample `.pre-commit-config.yaml`:

```
- repo: https://github.com/domdfcoding/flake2lint
  rev: v0.4.0
  hooks:
    - id: flake2lint
```

See [pre-commit](#) for further information.

## 2.3 Supported Flake8 Codes

flake2lint currently augments the following flake8 codes:

- A001 → redefined-builtin  
New in version 0.4.0.
- A002 → redefined-builtin
- A003 → redefined-builtin

Contributions to add support for more codes are more than welcome. The relevant code is [here](#).

## 2.4 Example

Before:

```
class FancyDialog(wx.Dialog):  
  
    def __init__(  
        self,  
        parent,  
        id=wx.ID_ANY, # noqa: A002  
        title="My Fancy Dialog",  
        pos=wx.DefaultPosition,  
        size=wx.DefaultSize,  
        style=wx.DEFAULT_DIALOG_STYLE,  
        name=wx.DialogNameStr,  
        data=None  
    ): ...
```

After:

```
class FancyDialog(wx.Dialog):  
  
    def __init__(  
        self,  
        parent,  
        id=wx.ID_ANY, # noqa: A002 # pylint: disable=redefined-builtin  
        title="My Fancy Dialog",  
        pos=wx.DefaultPosition,  
        size=wx.DefaultSize,  
        style=wx.DEFAULT_DIALOG_STYLE,  
        name=wx.DialogNameStr,  
        data=None  
    ): ...
```



## Public API

pre-commit hook to augment Flake8 noqa comments with PyLint comments.

### Functions:

<code>find_noqa(physical_line)</code>	Search a string for # noqa: ... comments.
<code>find_pylint_disable(physical_line)</code>	Search a string for # pylint: disable=... comments.
<code>process_file(filename)</code>	Augment Flake8 noqa comments with PyLint comments in the given file.

#### **find\_noqa** (*physical\_line*)

Search a string for # noqa: ... comments.

**Parameters** **physical\_line** (*str*)

**Return type** *Optional*[*Match*[*str*]]

#### **find\_pylint\_disable** (*physical\_line*)

Search a string for # pylint: disable=... comments.

**Parameters** **physical\_line** (*str*)

**Return type** *Optional*[*Match*[*str*]]

#### **process\_file** (*filename*)

Augment Flake8 noqa comments with PyLint comments in the given file.

**Parameters** **filename** (*Union*[*str*, *Path*, *PathLike*])

**Return type** *bool*

**Returns** *True* if the file contents were changed. *False* otherwise.



## Contributing

`flake2lint` uses `tox` to automate testing and packaging, and `pre-commit` to maintain code quality.

Install `pre-commit` with `pip` and install the git hook:

```
$ python -m pip install pre-commit
$ pre-commit install
```

### 4.1 Coding style

`formate` is used for code formatting.

It can be run manually via `pre-commit`:

```
$ pre-commit run formate -a
```

Or, to run the complete autoformatting suite:

```
$ pre-commit run -a
```

### 4.2 Automated tests

Tests are run with `tox` and `pytest`. To run tests for a specific Python version, such as Python 3.6:

```
$ tox -e py36
```

To run tests for all Python versions, simply run:

```
$ tox
```

### 4.3 Type Annotations

Type annotations are checked using `mypy`. Run `mypy` using `tox`:

```
$ tox -e mypy
```

## 4.4 Build documentation locally

The documentation is powered by Sphinx. A local copy of the documentation can be built with `tox`:

```
$ tox -e docs
```

## Downloading source code

The `flake2lint` source code is available on GitHub, and can be accessed from the following URL: <https://github.com/domdfcoding/flake2lint>

If you have `git` installed, you can clone the repository with the following command:

```
$ git clone https://github.com/domdfcoding/flake2lint
```

```
Cloning into 'flake2lint'...
remote: Enumerating objects: 47, done.
remote: Counting objects: 100% (47/47), done.
remote: Compressing objects: 100% (41/41), done.
remote: Total 173 (delta 16), reused 17 (delta 6), pack-reused 126
Receiving objects: 100% (173/173), 126.56 KiB | 678.00 KiB/s, done.
Resolving deltas: 100% (66/66), done.
```

Alternatively, the code can be downloaded in a ‘zip’ file by clicking:

*Clone or download → Download Zip*

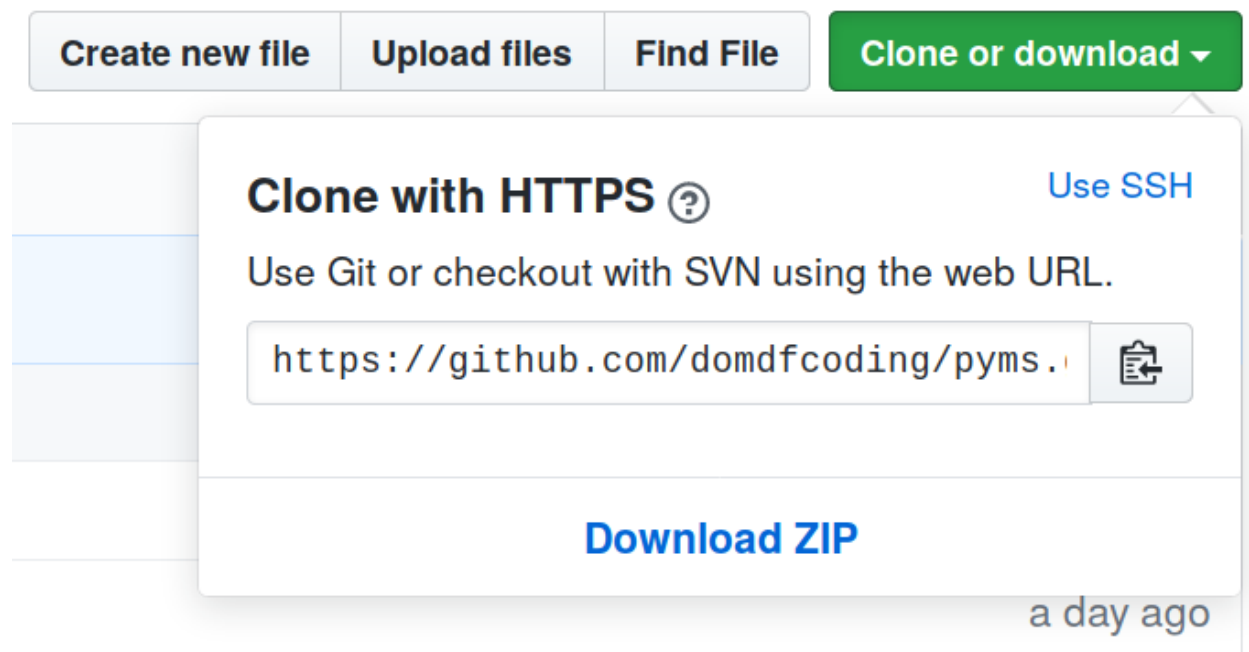


Fig. 1: Downloading a ‘zip’ file of the source code

## 5.1 Building from source

The recommended way to build `flake2lint` is to use `tox`:

```
$ tox -e build
```

The source and wheel distributions will be in the directory `dist`.

If you wish, you may also use `pep517.build` or another **PEP 517**-compatible build tool.

## License

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```

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