
pyicontract-lint Documentation

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Lint contracts defined with icontract library.

```
class icontract_lint.Error (identifier, description, filename, lineno)
    Represent a linter error.

    as_mapping()
        Transform the error to a mapping that can be converted to JSON and similar formats.

        Return type ErrorMapping

    description = None
        verbose description of the error including details about the cause (e.g., the name of the invalid argument)

    filename = None
        file name of the linted module

    identifier = None
        identifier of the error

    lineno = None
        line number of the offending decorator

class icontract_lint.ErrorID
    Enumerate error identifiers.

    INVALID_SYNTAX = 'invalid-syntax'
    INV_INVALID_ARG = 'inv-invalid-arg'
    NO_CONDITION = 'no-condition'
    POST_INVALID_ARG = 'post-invalid-arg'
    POST_OLD_CONFLICT = 'post-old-conflict'
    POST_RESULT_CONFLICT = 'post-result-conflict'
    POST_RESULT_NONE = 'post-result-none'
    PRE_INVALID_ARG = 'pre-invalid-arg'
```

```
SNAPSHOT_INVALID_ARG = 'snapshot-invalid-arg'  
SNAPSHOT_WO_CAPTURE = 'snapshot-wo-capture'  
SNAPSHOT_WO_NAME = 'snapshot-wo-name'  
SNAPSHOT_WO_POST = 'snapshot-wo-post'  
UNREADABLE = 'unreadable'
```

```
class icontract_lint.ErrorMapping
```

Represent an error given as a mapping.

```
icontract_lint.check_file(path)
```

Parse the given file as Python code and lint its contracts.

Parameters `path` (Path) – path to the file

Return type List[Error]

Returns list of lint errors

```
icontract_lint.check_paths(paths)
```

Lint the given paths.

The directories are recursively linted for *.py files.

Parameters `paths` (List[Path]) – paths to lint

Return type List[Error]

Returns list of lint errors

```
icontract_lint.check_recursively(path)
```

Lint all *.py files beneath the directory (including subdirectories).

Parameters `path` (Path) – path to the directory.

Return type List[Error]

Returns list of lint errors

```
icontract_lint.output_json(errors, stream)
```

Output errors in a JSON format to the stream.

Parameters

- **errors** (List[Error]) – list of lint errors
- **stream** (Textio) – output stream

Return type None

Returns

```
icontract_lint.output_verbose(errors, stream)
```

Output errors in a verbose, human-readable format to the stream.

Parameters

- **errors** (List[Error]) – list of lint errors
- **stream** (Textio) – output stream

Return type None

Returns

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