
pureyami Documentation

Release 0.1.0

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Contents:

1.1 pureyaml

Yet another yaml parser, in pure python.

1.1.1 Features

- Documentation: <https://pureyaml.readthedocs.org>
- Open Source: <https://github.com/bionikspoon/pureyaml>
- MIT license
- YAML encoder/decoder written in pure python

1.1.2 Credits

Tools used in rendering this package:

- Cookiecutter
- [bionikspoon/cookiecutter-pypackage](#) forked from [audreyr/cookiecutter-pypackage](#)

1.2 Installation

At the command line either via `easy_install` or `pip`:

```
$ pip install pureyaml
```

```
$ easy_install pureyaml
```

Or, if you have `virtualenvwrapper` installed:

```
$ mkvirtualenv pureyaml  
$ pip install pureyaml
```

Uninstall:

```
$ pip uninstall pureyaml
```

1.3 Usage

To use pureyaml in a project:

```
import pureyaml

>>> import pureyaml
>>> from textwrap import dedent
>>> from pprint import pprint
>>> text = dedent("""
...     marvel:
...     - iron man
...     - the hulk
...     - captain america
...     dc:
...     - batman
...     - the joker
...     - superman
... """)[1:]

>>> pprint(pureyaml.load(text))
{'dc': ['batman', 'the joker', 'superman'],
 'marvel': ['iron man', 'the hulk', 'captain america']}

>>> print(pureyaml.dump(pureyaml.load(text)))
dc:
- batman
- the joker
- superman
marvel:
- iron man
- the hulk
- captain america
```

1.4 Contributing

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

1.4.1 Types of Contributions

Report Bugs

Report bugs at <https://github.com/bionikspoon/pureyaml/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” is open to whoever wants to implement it.

Implement Features

Look through the GitHub issues for features. Anything tagged with “feature” is open to whoever wants to implement it.

Write Documentation

pureyaml could always use more documentation, whether as part of the official pureyaml docs, in docstrings, or even on the web in blog posts, articles, and such.

Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/bionikspoon/pureyaml/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

1.4.2 Get Started!

Ready to contribute? Here’s how to set up *pureyaml* for local development.

1. Fork the *pureyaml* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/pureyaml.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv pureyaml
$ cd pureyaml/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b feature/name-of-your-feature
$ git checkout -b hotfix/name-of-your-bugfix
```

Now you can make your changes locally.

5. When you’re done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 pureyaml tests
$ python setup.py test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

1.4.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, 3.3, 3.4, 3.5, and PyPy. Check https://travis-ci.org/bionikspoon/pureyaml/pull_requests and make sure that the tests pass for all supported Python versions.

1.4.4 Tips

To run a subset of tests:

```
$ py.test tests/test_pureyaml.py
```

1.5 Credits

1.5.1 Development Lead

- Manu Phatak <bionikspoon@gmail.com>

1.5.2 Contributors

None yet. Why not be the first?

1.6 History

1.6.1 Next Release

- Coming Soon

1.6.2 0.1.0 (2016-01-xx)

- Coming Soon

1.7 pureyaml package

1.7.1 pureyaml

Yet another yaml parser, in pure python.

`pureyaml.dump` (*obj*, *fp=None*, *indent=None*, *sort_keys=False*, ***kw*)
Dump object to a file like object or string.

Parameters

- **obj** –
- **fp** – Open file like object
- **indent** (*int*) – Indent size, default 2
- **sort_keys** (*bool*) – Optionally sort dictionary keys.

Returns Yaml serialized data.

`pureyaml.dumps` (*obj*, *indent=None*, *default=None*, *sort_keys=False*, ***kw*)
Dump string.

`pureyaml.load` (*s*, ***kwargs*)
Load yaml file

`pureyaml.loads` (*s*, *cls=None*, ***kwargs*)
Load string

1.7.2 Subpackages

pureyaml._compat package

Python 2to3 compatibility handling.

`class pureyaml._compat.NullHandler` (*level=0*)
Bases: `logging.Handler`

This handler does nothing. It's intended to be used to avoid the “No handlers could be found for logger XXX” one-off warning. This is important for library code, which may contain code to log events. If a user of the library does not configure logging, the one-off warning might be produced; to avoid this, the library developer simply needs to instantiate a `NullHandler` and add it to the top-level logger of the library module or package.

`__doc__` = ‘\n This handler does nothing. It’s intended to be used to avoid the\n “No handlers could be found for logger

`__module__` = ‘logging’

`createLock` ()

`emit` (*record*)

`handle` (*record*)

`class pureyaml._compat.collections_abc`

`class Callable`

Bases: `object`

`__abstractmethods__` = `frozenset(['__call__'])`

```
__call__ (*args, **kws)
__dict__ = dict_proxy({'_abc_cache': <_weakrefset.WeakSet object at 0x7f96b4c226d0>, '__module__': '_abcoll'})
__doc__ = None
__metaclass__
    alias of ABCMeta
__module__ = '_abcoll'
classmethod __subclasshook__ (C)
__weakref__
    list of weak references to the object (if defined)
_abc_cache = <_weakrefset.WeakSet object>
_abc_negative_cache = <_weakrefset.WeakSet object>
_abc_negative_cache_version = 1
_abc_registry = <_weakrefset.WeakSet object>
class collections_abc.Container
    Bases: object
    __abstractmethods__ = frozenset({'__contains__'})
    __contains__ (x)
    __dict__ = dict_proxy({'_abc_cache': <_weakrefset.WeakSet object at 0x7f96b4c22510>, '__module__': '_abcoll'})
    __doc__ = None
    __metaclass__
        alias of ABCMeta
    __module__ = '_abcoll'
    classmethod __subclasshook__ (C)
    __weakref__
        list of weak references to the object (if defined)
    _abc_cache = <_weakrefset.WeakSet object>
    _abc_negative_cache = <_weakrefset.WeakSet object>
    _abc_negative_cache_version = 1
    _abc_registry = <_weakrefset.WeakSet object>
class collections_abc.Hashable
    Bases: object
    __abstractmethods__ = frozenset({'__hash__'})
    __dict__ = dict_proxy({'_abc_cache': <_weakrefset.WeakSet object at 0x7f96b4c1bdd0>, '__module__': '_abcoll'})
    __doc__ = None
    __hash__ ()
    __metaclass__
        alias of ABCMeta
    __module__ = '_abcoll'
```

```

classmethod __subclasshook__(C)

__weakref__
    list of weak references to the object (if defined)

__abc_cache = <_weakrefset.WeakSet object>

__abc_negative_cache = <_weakrefset.WeakSet object>

__abc_negative_cache_version = 0

__abc_registry = <_weakrefset.WeakSet object>

class collections_abc.ItemsView(mapping)
    Bases: _abcoll.MappingView, _abcoll.Set

    __abstractmethods__ = frozenset([])

    __contains__(item)

    __doc__ = None

    __iter__()

    __module__ = '_abcoll'

    __abc_cache = <_weakrefset.WeakSet object>

    __abc_negative_cache = <_weakrefset.WeakSet object>

    __abc_negative_cache_version = 3

    __abc_registry = <_weakrefset.WeakSet object>

    classmethod _from_iterable(it)

class collections_abc.Iterable
    Bases: object

    __abstractmethods__ = frozenset(['__iter__'])

    __dict__ = dict_proxy({'__abc_cache': <_weakrefset.WeakSet object at 0x7f96b4c1bf90>, '__module__': '_abcoll',
    __doc__ = None

    __iter__()

    __metaclass__
        alias of ABCMeta

    __module__ = '_abcoll'

    classmethod __subclasshook__(C)

    __weakref__
        list of weak references to the object (if defined)

    __abc_cache = <_weakrefset.WeakSet object>

    __abc_negative_cache = <_weakrefset.WeakSet object>

    __abc_negative_cache_version = 0

    __abc_registry = <_weakrefset.WeakSet object>

class collections_abc.Iterator
    Bases: _abcoll.Iterable

    __abstractmethods__ = frozenset(['next'])

```

```
__doc__ = None
__iter__()
__module__ = '_abcoll'
classmethod __subclasshook__(C)
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 1
__abc_registry = <_weakrefset.WeakSet object>
next()
    Return the next item from the iterator. When exhausted, raise StopIteration
class collections_abc.KeysView(mapping)
    Bases: _abcoll.MappingView, _abcoll.Set
    __abstractmethods__ = frozenset([])
    __contains__(key)
    __doc__ = None
    __iter__()
    __module__ = '_abcoll'
    __abc_cache = <_weakrefset.WeakSet object>
    __abc_negative_cache = <_weakrefset.WeakSet object>
    __abc_negative_cache_version = 3
    __abc_registry = <_weakrefset.WeakSet object>
    classmethod _from_iterable(it)
class collections_abc.Mapping
    Bases: _abcoll.Sized, _abcoll.Iterable, _abcoll.Container
    A Mapping is a generic container for associating key/value pairs.
    This class provides concrete generic implementations of all methods except for __getitem__, __iter__, and
    __len__.
    __abstractmethods__ = frozenset(['__iter__', '__getitem__', '__len__'])
    __contains__(key)
    __doc__ = 'A Mapping is a generic container for associating key/value\n pairs.\n\n This class provides concrete gen
    __eq__(other)
    __getitem__(key)
    __hash__ = None
    __module__ = '_abcoll'
    __ne__(other)
    __abc_cache = <_weakrefset.WeakSet object>
    __abc_negative_cache = <_weakrefset.WeakSet object>
```

```

__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
get (k[, d]) → D[k] if k in D, else d. d defaults to None.
items () → list of D's (key, value) pairs, as 2-tuples
iteritems () → an iterator over the (key, value) items of D
iterkeys () → an iterator over the keys of D
itervalues () → an iterator over the values of D
keys () → list of D's keys
values () → list of D's values

```

class `collections_abc.MappingView(mapping)`
Bases: `_abcoll.Sized`

```

__abstractmethods__ = frozenset([])
__doc__ = None
__init__(mapping)
__len__()
__module__ = '_abcoll'
__repr__()
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 3
__abc_registry = <_weakrefset.WeakSet object>

```

class `collections_abc.MutableMapping`
Bases: `_abcoll.Mapping`

A `MutableMapping` is a generic container for associating key/value pairs.

This class provides concrete generic implementations of all methods except for `__getitem__`, `__setitem__`, `__delitem__`, `__iter__`, and `__len__`.

```

__MutableMapping__marker = <object object>
__abstractmethods__ = frozenset(['__delitem__', '__setitem__', '__getitem__', '__iter__', '__len__'])
__delitem__(key)
__doc__ = 'A MutableMapping is a generic container for associating\n key/value pairs.\n\n This class provides cono
__module__ = '_abcoll'
__setitem__(key, value)
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
clear () → None. Remove all items from D.

```

pop (*k*, [*d*]) → *v*, remove specified key and return the corresponding value.
 If key is not found, *d* is returned if given, otherwise `KeyError` is raised.

popitem () → (*k*, *v*), remove and return some (key, value) pair
 as a 2-tuple; but raise `KeyError` if *D* is empty.

setdefault (*k*, [*d*]) → *D.get(k,d)*, also set *D[k]=d* if *k* not in *D*

update ([*E*], ***F*) → `None`. Update *D* from mapping/iterable *E* and *F*.
 If *E* present and has a `.keys()` method, does: for *k* in *E*: *D[k] = E[k]* If *E* present and lacks `.keys()`
 method, does: for (*k*, *v*) in *E*: *D[k] = v* In either case, this is followed by: for *k*, *v* in *F.items()*: *D[k] = v*

class `collections_abc.MutableSequence`

Bases: `_abcoll.Sequence`

All the operations on a read-only sequence.

Concrete subclasses must provide `__new__` or `__init__`, `__getitem__`, `__setitem__`, `__delitem__`, `__len__`,
 and `insert()`.

`__abstractmethods__` = frozenset(['__delitem__', '__setitem__', '__getitem__', '__len__', 'insert'])

`__delitem__` (*index*)

`__doc__` = 'All the operations on a read-only sequence.\n\n Concrete subclasses must provide __new__ or __init__,\n'

`__iadd__` (*values*)

`__module__` = '_abcoll'

`__setitem__` (*index*, *value*)

`__abc_cache` = <_weakrefset.WeakSet object>

`__abc_negative_cache` = <_weakrefset.WeakSet object>

`__abc_negative_cache_version` = 8

`__abc_registry` = <_weakrefset.WeakSet object>

append (*value*)

S.append(object) – append object to the end of the sequence

extend (*values*)

S.extend(iterable) – extend sequence by appending elements from the iterable

insert (*index*, *value*)

S.insert(index, object) – insert object before index

pop ([*index*]) → *item* – remove and return item at index (default last).

Raise `IndexError` if list is empty or index is out of range.

remove (*value*)

S.remove(value) – remove first occurrence of value. Raise `ValueError` if the value is not present.

reverse ()

S.reverse() – reverse *IN PLACE*

class `collections_abc.MutableSet`

Bases: `_abcoll.Set`

A mutable set is a finite, iterable container.

This class provides concrete generic implementations of all methods except for `__contains__`, `__iter__`,
`__len__`, `add()`, and `discard()`.

To override the comparisons (presumably for speed, as the semantics are fixed), all you have to do is redefine `__le__` and then the other operations will automatically follow suit.

```

__abstractmethods__ = frozenset(['discard', 'add', '__iter__', '__len__', '__contains__'])
__doc__ = 'A mutable set is a finite, iterable container.\n\n This class provides concrete generic implementations of
__iand__(it)
__ior__(it)
__isub__(it)
__ixor__(it)
__module__ = '_abcoll'
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 2
__abc_registry = <_weakrefset.WeakSet object>
add(value)
    Add an element.
clear()
    This is slow (creates N new iterators!) but effective.
discard(value)
    Remove an element. Do not raise an exception if absent.
pop()
    Return the popped value. Raise KeyError if empty.
remove(value)
    Remove an element. If not a member, raise a KeyError.
class collections_abc.Sequence
    Bases: _abcoll.Sized, _abcoll.Iterable, _abcoll.Container
    All the operations on a read-only sequence.
    Concrete subclasses must override __new__ or __init__, __getitem__, and __len__.
__abstractmethods__ = frozenset(['__getitem__', '__len__'])
__contains__(value)
__doc__ = 'All the operations on a read-only sequence.\n\n Concrete subclasses must override __new__ or __init__
__getitem__(index)
__iter__()
__module__ = '_abcoll'
__reversed__()
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 7
__abc_registry = <_weakrefset.WeakSet object>

```

count (*value*) → integer – return number of occurrences of value

index (*value*) → integer – return first index of value.

Raises ValueError if the value is not present.

class collections_abc.**Set**

Bases: _abcoll.Sized, _abcoll.Iterable, _abcoll.Container

A set is a finite, iterable container.

This class provides concrete generic implementations of all methods except for `__contains__`, `__iter__` and `__len__`.

To override the comparisons (presumably for speed, as the semantics are fixed), all you have to do is redefine `__le__` and then the other operations will automatically follow suit.

`__abstractmethods__ = frozenset(['__iter__', '__len__', '__contains__'])`

`__and__` (*other*)

`__doc__ = 'A set is a finite, iterable container.\n\n This class provides concrete generic implementations of all\n met'`

`__eq__` (*other*)

`__ge__` (*other*)

`__gt__` (*other*)

`__hash__ = None`

`__le__` (*other*)

`__lt__` (*other*)

`__module__ = '_abcoll'`

`__ne__` (*other*)

`__or__` (*other*)

`__sub__` (*other*)

`__xor__` (*other*)

`__abc_cache = <_weakrefset.WeakSet object>`

`__abc_negative_cache = <_weakrefset.WeakSet object>`

`__abc_negative_cache_version = 1`

`__abc_registry = <_weakrefset.WeakSet object>`

classmethod `__from_iterable` (*it*)

Construct an instance of the class from any iterable input.

Must override this method if the class constructor signature does not accept an iterable for an input.

`__hash__` ()

Compute the hash value of a set.

Note that we don't define `__hash__`: not all sets are hashable. But if you define a hashable set type, its `__hash__` should call this function.

This must be compatible `__eq__`.

All sets ought to compare equal if they contain the same elements, regardless of how they are implemented, and regardless of the order of the elements; so there's not much freedom for `__eq__` or `__hash__`. We match the algorithm used by the built-in frozenset type.

isdisjoint (*other*)

Return True if two sets have a null intersection.

class `collections_abc.Sized`

Bases: `object`

`__abstractmethods__` = `frozenset(['__len__'])`

`__dict__` = `dict_proxy({'_abc_cache': <_weakrefset.WeakSet object at 0x7f96b4c22350>, '__module__': '_abcoll'}`

`__doc__` = `None`

`__len__` ()

`__metaclass__`

alias of `ABCMeta`

`__module__` = `'_abcoll'`

classmethod `__subclasshook__` (*C*)

`__weakref__`

list of weak references to the object (if defined)

`_abc_cache` = `<_weakrefset.WeakSet object>`

`_abc_negative_cache` = `<_weakrefset.WeakSet object>`

`_abc_negative_cache_version` = `1`

`_abc_registry` = `<_weakrefset.WeakSet object>`

class `collections_abc.ValuesView` (*mapping*)

Bases: `_abcoll.MappingView`

`__abstractmethods__` = `frozenset([])`

`__contains__` (*value*)

`__doc__` = `None`

`__iter__` ()

`__module__` = `'_abcoll'`

`_abc_cache` = `<_weakrefset.WeakSet object>`

`_abc_negative_cache` = `<_weakrefset.WeakSet object>`

`_abc_negative_cache_version` = `3`

`_abc_registry` = `<_weakrefset.WeakSet object>`

`collections_abc.__doc__` = `None`

`collections_abc.__module__` = `'pureyaml.compat'`

`pureyaml._compat.total_ordering` (*cls*)

Class decorator that fills in missing ordering methods

`pureyaml._compat.single_dispatch` (*function*)

Single-dispatch generic function decorator.

Transforms a function into a generic function, which can have different behaviours depending upon the type of its first argument. The decorated function acts as the default implementation, and additional implementations can be registered using the `register()` attribute of the generic function.

Submodules

pureyaml._compat.singledispatch module

pureyaml._compat.singledispatch.**singledispatch** (*function*)

Single-dispatch generic function decorator.

Transforms a function into a generic function, which can have different behaviours depending upon the type of its first argument. The decorated function acts as the default implementation, and additional implementations can be registered using the register() attribute of the generic function.

pureyaml._compat.singledispatch_helpers module

class pureyaml._compat.singledispatch_helpers.**ChainMap** (*maps)

Bases: _abcoll.MutableMapping

A ChainMap groups multiple dicts (or other mappings) together to create a single, updateable view.

The underlying mappings are stored in a list. That list is public and can accessed or updated using the *maps* attribute. There is no other state.

Lookups search the underlying mappings successively until a key is found. In contrast, writes, updates, and deletions only operate on the first mapping.

__abstractmethods__ = frozenset([])

__contains__ (*key*)

__copy__ ()

New ChainMap or subclass with a new copy of maps[0] and refs to maps[1:]

__delitem__ (*key*)

__doc__ = u' A ChainMap groups multiple dicts (or other mappings) together\n to create a single, updateable view.\n\n'

__getitem__ (*key*)

__init__ (*maps)

Initialize a ChainMap by setting *maps* to the given mappings. If no mappings are provided, a single empty dictionary is used.

__iter__ ()

__len__ ()

__missing__ (*key*)

__module__ = 'pureyaml._compat.singledispatch_helpers'

__repr__ ()

__setitem__ (*key, value*)

_abc_cache = <_weakrefset.WeakSet object>

_abc_negative_cache = <_weakrefset.WeakSet object>

_abc_negative_cache_version = 25

_abc_registry = <_weakrefset.WeakSet object>

clear ()

Clear maps[0], leaving maps[1:] intact.

```

copy ()
    New ChainMap or subclass with a new copy of maps[0] and refs to maps[1:]

classmethod fromkeys (iterable, *args)
    Create a ChainMap with a single dict created from the iterable.

get (key, default=None)

new_child ()
    New ChainMap with a new dict followed by all previous maps.

parents
    New ChainMap from maps[1:].

pop (key, *args)
    Remove key from maps[0] and return its value. Raise KeyError if key not in maps[0].

popitem ()
    Remove and return an item pair from maps[0]. Raise KeyError is maps[0] is empty.

class pureyaml._compat.singledispatch_helpers.MappingProxyType (data)
    Bases: UserDict.UserDict

    __doc__ = None

    __init__ (data)

    __module__ = 'pureyaml._compat.singledispatch_helpers'

class pureyaml._compat.singledispatch_helpers.Support
    Bases: object

    __dict__ = dict_proxy({'dummy': <function dummy at 0x7f96b1865b18>, '__module__': 'pureyaml._compat.singledis

    __doc__ = None

    __module__ = 'pureyaml._compat.singledispatch_helpers'

    __weakref__
        list of weak references to the object (if defined)

    cpython_only (func)

    dummy ()

pureyaml._compat.singledispatch_helpers.get_cache_token ()

pureyaml._compat.singledispatch_helpers.recursive_repr (fillvalue=u'...')
    Decorator to make a repr function return fillvalue for a recursive call

```

pureyaml._compat.total_ordering module

Python2.7 functools.partial included for Python2.6

```

pureyaml._compat.total_ordering._ge_from_gt (self, other)
    Return a >= b. Computed by @total_ordering from (a > b) or (a == b).

pureyaml._compat.total_ordering._ge_from_le (self, other)
    Return a >= b. Computed by @total_ordering from (not a <= b) or (a == b).

pureyaml._compat.total_ordering._ge_from_lt (self, other)
    Return a >= b. Computed by @total_ordering from (not a < b).

```

`pureyaml._compat.total_ordering._gt_from_ge` (*self, other*)
Return $a > b$. Computed by `@total_ordering` from $(a \geq b)$ and $(a \neq b)$.

`pureyaml._compat.total_ordering._gt_from_le` (*self, other*)
Return $a > b$. Computed by `@total_ordering` from $(\text{not } a \leq b)$.

`pureyaml._compat.total_ordering._gt_from_lt` (*self, other*)
Return $a > b$. Computed by `@total_ordering` from $(\text{not } a < b)$ and $(a \neq b)$.

`pureyaml._compat.total_ordering._le_from_ge` (*self, other*)
Return $a \leq b$. Computed by `@total_ordering` from $(\text{not } a \geq b)$ or $(a == b)$.

`pureyaml._compat.total_ordering._le_from_gt` (*self, other*)
Return $a \leq b$. Computed by `@total_ordering` from $(\text{not } a > b)$.

`pureyaml._compat.total_ordering._le_from_lt` (*self, other*)
Return $a \leq b$. Computed by `@total_ordering` from $(a < b)$ or $(a == b)$.

`pureyaml._compat.total_ordering._lt_from_ge` (*self, other*)
Return $a < b$. Computed by `@total_ordering` from $(\text{not } a \geq b)$.

`pureyaml._compat.total_ordering._lt_from_gt` (*self, other*)
Return $a < b$. Computed by `@total_ordering` from $(\text{not } a > b)$ and $(a \neq b)$.

`pureyaml._compat.total_ordering._lt_from_le` (*self, other*)
Return $a < b$. Computed by `@total_ordering` from $(a \leq b)$ and $(a \neq b)$.

`pureyaml._compat.total_ordering.total_ordering` (*cls*)
Class decorator that fills in missing ordering methods

pureyaml.grammar package

Submodules

pureyaml.grammar._parsetab module

pureyaml.grammar.productions module

Yaml grammar production rules.

class `pureyaml.grammar.productions.YAMLProductions`

Bases: `pureyaml.grammar.tokens.YAMLTokens`

`__doc__` = None

`__module__` = 'pureyaml.grammar.productions'

`p_collection` (*p*)

collection [sequence]

map

flow_collection

`p_doc` (*p*)

doc [collection]

scalar

`p_doc__indent` (*p*)

```

doc [DOC_START doc DOC_END]
    DOC_START doc
    INDENT doc DEDENT

p_doc_scalar_collection_ignore (p)
    scalar : ignore_indent_dedent scalar

p_docs__init (p)
    docs : docs doc

p_docs__last (p)
    docs [doc]
        doc DOC_END

p_flow_collection (p)
    flow_collection [F_SEQUENCE_START flow_sequence F_SEQUENCE_END]
        F_SEQUENCE_START flow_sequence F_SEP F_SEQUENCE_END
        F_MAP_START flow_map F_MAP_END
        F_MAP_START flow_map F_SEP F_MAP_END

p_flow_map__init (p)
    flow_map : flow_map F_SEP flow_map_item

p_flow_map__last (p)
    flow_map : flow_map_item

p_flow_map_item (p)
    flow_map_item : flow_map_item_key flow_map_item_value

p_flow_map_item_key (p)
    flow_map_item_key : scalar F_MAP_KEY

p_flow_map_item_value (p)
    flow_map_item_value : scalar

p_flow_sequence__init (p)
    flow_sequence : flow_sequence F_SEP flow_sequence_item

p_flow_sequence__last (p)
    flow_sequence : flow_sequence_item

p_flow_sequence_item (p)
    flow_sequence_item : scalar

p_ignore_indent_dedent (p)
    ignore_indent_dedent : INDENT DEDENT

p_map__init (p)
    map : map map_item

p_map__last (p)
    map : map_item

p_map_item (p)
    map_item : map_item_key map_item_value

p_map_item__key_value__collection (p)
    map_item_key : B_MAP_KEY INDENT collection DEDENT map_item_value : B_MAP_VALUE IN-
    DENT collection DEDENT

```

p_map_item_compact_scalar (*p*)
map_item : B_MAP_COMPACT_KEY scalar B_MAP_VALUE scalar DEDENT

p_map_item_key_map_item_value_sequence_item_compact_collection (*p*)
map_item_key : B_MAP_COMPACT_KEY collection DEDENT map_item_value
: B_MAP_COMPACT_VALUE collection DEDENT sequence_item :
B_SEQUENCE_COMPACT_START collection DEDENT

p_map_item_key (*p*)
map_item_key : scalar

p_map_item_key_complex_key_scalar (*p*)
map_item_key : B_MAP_KEY scalar

p_map_item_value_flow_collection (*p*)
map_item_value : B_MAP_VALUE flow_collection

p_map_item_value_scalar (*p*)
map_item_value : B_MAP_VALUE scalar

p_map_item_value_scalar_indented (*p*)
map_item_value : B_MAP_VALUE INDENT scalar DEDENT

p_map_item_value_sequence_no_indent (*p*)
map_item_value : B_MAP_VALUE sequence

p_scalar (*p*)
scalar : SCALAR

p_scalar_doublequote (*p*)
scalar : DOUBLEQUOTE_START SCALAR DOUBLEQUOTE_END

p_scalar_explicit_cast (*p*)
scalar : CAST_TYPE scalar

p_scalar_folded (*p*)
scalar : B_FOLD_START scalar_group B_FOLD_END

p_scalar_indented_flow (*p*)
scalar : INDENT scalar_group DEDENT

p_scalar_literal (*p*)
scalar : B_LITERAL_START scalar_group B_LITERAL_END

p_scalar_quote_empty (*p*)
scalar [DOUBLEQUOTE_START DOUBLEQUOTE_END]
SINGLEQUOTE_START SINGLEQUOTE_END

p_scalar_singlequote (*p*)
scalar : SINGLEQUOTE_START SCALAR SINGLEQUOTE_END

p_scalar_string_indented_multi_line (*p*)
scalar : scalar INDENT SCALAR DEDENT

p_scalar_group (*p*)
scalar_group [SCALAR]
scalar_group SCALAR

p_sequence_init (*p*)
sequence : sequence sequence_item

```

p_sequence__last (p)
    sequence : sequence_item

p_sequence_item_collection (p)
    sequence_item : B_SEQUENCE_START INDENT collection DEDENT

p_sequence_item_flow_collection (p)
    sequence_item : B_SEQUENCE_START flow_collection

p_sequence_item_scalar (p)
    sequence_item : B_SEQUENCE_START scalar

```

pureyaml.grammar.tokens module

Yaml tokens.

```

class pureyaml.grammar.tokens.TokenList
    Bases: object

    __dict__ = dict_proxy({'tokens': ['DOC_START', 'DOC_END', 'B_SEQUENCE_COMPACT_START', 'B_SEQUENCE_START', 'B_MAP_START', 'B_MAP_END', 'B_SEQUENCE_END', 'B_MAP_END']})
    __doc__ = None
    __module__ = 'pureyaml.grammar.tokens'
    __weakref__
        list of weak references to the object (if defined)

    tokens = ['DOC_START', 'DOC_END', 'B_SEQUENCE_COMPACT_START', 'B_SEQUENCE_START', 'B_MAP_START', 'B_MAP_END', 'B_SEQUENCE_END', 'B_MAP_END']

```

pureyaml.grammar.utils module

```

pureyaml.grammar.utils.find_column (t)
    Get cursor position, based on previous newline

```

```

class pureyaml.grammar.utils.fold
    Bases: object

    Properly clean fold text.

    __dict__ = dict_proxy({'__module__': 'pureyaml.grammar.utils', '__new__': <staticmethod object at 0x7f96b188a7f8>})
    __doc__ = 'Properly clean “fold“ text.'
    __module__ = 'pureyaml.grammar.utils'
    static __new__ (text)
    __weakref__
        list of weak references to the object (if defined)

    classmethod _fold_replace (match)
    _re_fold_replace = <_sre.SRE_Pattern object>

```

```

pureyaml.grammar.utils.rollback_lexpos (t)

```

```

pureyaml.grammar.utils.strict (*types)
    Decorator, type check production rule output

```

pureyaml.ply package

Submodules

pureyaml.ply.cpp module

pureyaml.ply.cpp.**CPP_INTEGER** (*t*)

`(((((0x)(0X))[0-9a-fA-F+)](d+))([uU][iL][iL][uU][uU][iL])?)`

class pureyaml.ply.cpp.**Macro** (*name, value, arglist=None, variadic=False*)

Bases: object

`__dict__ = dict_proxy({'__dict__': <attribute '__dict__' of 'Macro' objects>, '__module__': 'pureyaml.ply.cpp', '__we`

`__doc__ = None`

`__init__ (name, value, arglist=None, variadic=False)`

`__module__ = 'pureyaml.ply.cpp'`

`__weakref__`

list of weak references to the object (if defined)

class pureyaml.ply.cpp.**Preprocessor** (*lexer=None*)

Bases: object

`__dict__ = dict_proxy({'__module__': 'pureyaml.ply.cpp', 'add_path': <function add_path at 0x7f96aed3a2a8>, 'error`

`__doc__ = None`

`__init__ (lexer=None)`

`__module__ = 'pureyaml.ply.cpp'`

`__weakref__`

list of weak references to the object (if defined)

add_path (*path*)

collect_args (*tokenlist*)

define (*tokens*)

error (*file, line, msg*)

evalexpr (*tokens*)

expand_macros (*tokens, expanded=None*)

group_lines (*input*)

include (*tokens*)

lexprobe ()

macro_expand_args (*macro, args*)

macro_prescan (*macro*)

parse (*input, source=None, ignore={}*)

parsegen (*input, source=None*)

token ()

tokenize (*text*)

tokenstrip (*tokens*)

undef (*tokens*)

`pureyaml.ply.cpp.t_CPP_CHAR` (*t*)
 (L)?([\n](\.(ln)))*?

`pureyaml.ply.cpp.t_CPP_COMMENT1` (*t*)
 (*(ln)*?*/)

`pureyaml.ply.cpp.t_CPP_COMMENT2` (*t*)
 (//.*?(nl\$))

`pureyaml.ply.cpp.t_CPP_INTEGER` (*t*)
 (((((0x)|(0X))[0-9a-fA-F+](d+))([uU][iL]|[iL][uU]|[uU][iL])?)

`pureyaml.ply.cpp.t_CPP_STRING` (*t*)
 “([\n](\.(ln)))*?”

`pureyaml.ply.cpp.t_CPP_WS` (*t*)
 s+

`pureyaml.ply.cpp.t_error` (*t*)

`pureyaml.ply.cpp.trigraph` (*input*)

pureyaml.ply.ctokens module

`pureyaml.ply.ctokens.t_COMMENT` (*t*)
 /*(ln)*?*/

`pureyaml.ply.ctokens.t_CPPCOMMENT` (*t*)
 //.*n

pureyaml.ply.lex module

exception `pureyaml.ply.lex.LexError` (*message, s*)
 Bases: `exceptions.Exception`

`__doc__` = None

`__init__` (*message, s*)

`__module__` = 'pureyaml.ply.lex'

`__weakref__`

list of weak references to the object (if defined)

class `pureyaml.ply.lex.LexToken`

Bases: `object`

`__dict__` = `dict_proxy`({'__module__': 'pureyaml.ply.lex', '__str__': <function __str__ at 0x7f96b1818500>, '__repr__'

`__doc__` = None

`__module__` = 'pureyaml.ply.lex'

`__repr__` ()

`__str__` ()

`__weakref__`

list of weak references to the object (if defined)

class pureyaml.ply.lex.Lexer

```
__doc__ = None
__init__()
__iter__()
__module__ = 'pureyaml.ply.lex'
__next__()
begin (state)
clone (object=None)
current_state ()
input (s)
next ()
pop_state ()
push_state (state)
readtab (tabfile, fdict)
skip (n)
token ()
writetab (lextab, outputdir='')
```

class pureyaml.ply.lex.LexerReflect (ldict, log=None, reflags=0)

Bases: object

```
__dict__ = dict_proxy({'__module__': 'pureyaml.ply.lex', 'get_states': <function get_states at 0x7f96b1826578>, 'valid
__doc__ = None
__init__ (ldict, log=None, reflags=0)
__module__ = 'pureyaml.ply.lex'
__weakref__
    list of weak references to the object (if defined)
get_all ()
get_literals ()
get_rules ()
get_states ()
get_tokens ()
validate_all ()
validate_literals ()
validate_module (module)
validate_rules ()
validate_tokens ()
```

class `pureyaml.ply.lex.NullLogger`

Bases: `object`

`__call__` (**args, **kwargs*)

`__dict__` = `dict_proxy({'__module__': 'pureyaml.ply.lex', '__getattr__': <function __getattr__ at 0x7f96b181...>})`

`__doc__` = `None`

`__getattr__` (*name*)

`__module__` = `'pureyaml.ply.lex'`

`__weakref__`

list of weak references to the object (if defined)

class `pureyaml.ply.lex.PlyLogger` (*f*)

Bases: `object`

`__dict__` = `dict_proxy({'info': <function critical at 0x7f96b1818668>, '__dict__': <attribute '__dict__' of 'PlyLogger' object>})`

`__doc__` = `None`

`__init__` (*f*)

`__module__` = `'pureyaml.ply.lex'`

`__weakref__`

list of weak references to the object (if defined)

`critical` (*msg, *args, **kwargs*)

`debug` (*msg, *args, **kwargs*)

`error` (*msg, *args, **kwargs*)

`info` (*msg, *args, **kwargs*)

`warning` (*msg, *args, **kwargs*)

`pureyaml.ply.lex.TOKEN` (*r*)

`pureyaml.ply.lex.Token` (*r*)

`pureyaml.ply.lex._form_master_re` (*relist, reflags, ldict, toknames*)

`pureyaml.ply.lex._funcs_to_names` (*funclist, namelist*)

`pureyaml.ply.lex._get_regex` (*func*)

`pureyaml.ply.lex._names_to_funcs` (*namelist, fdict*)

`pureyaml.ply.lex._statetoken` (*s, names*)

`pureyaml.ply.lex.get_caller_module_dict` (*levels*)

`pureyaml.ply.lex.lex` (*module=None, object=None, debug=False, optimize=False, lextab='lextab', reflags=0, nowarn=False, outputdir=None, debuglog=None, errorlog=None*)

`pureyaml.ply.lex.runmain` (*lexer=None, data=None*)

pureyaml.ply.yacc module

class `pureyaml.ply.yacc.Grammar` (*terminals*)

Bases: `object`

`__dict__` = `dict_proxy({'__module__': 'pureyaml.ply.yacc', 'unused_precedence': <function unused_precedence at 0x7f96b181...>})`

```
__doc__ = None
__getitem__ (index)
__init__ (terminals)
__len__ ()
__module__ = 'pureyaml.ply.yacc'
__weakref__
    list of weak references to the object (if defined)
_first (beta)
add_production (prodname, syms, func=None, file='', line=0)
build_lritems ()
compute_first ()
compute_follow (start=None)
find_unreachable ()
infinite_cycles ()
set_precedence (term, assoc, level)
set_start (start=None)
undefined_symbols ()
unused_precedence ()
unused_rules ()
unused_terminals ()

exception pureyaml.ply.yacc.GrammarError
    Bases: pureyaml.ply.yacc.YaccError
__doc__ = None
__module__ = 'pureyaml.ply.yacc'

exception pureyaml.ply.yacc.LALRError
    Bases: pureyaml.ply.yacc.YaccError
__doc__ = None
__module__ = 'pureyaml.ply.yacc'

class pureyaml.ply.yacc.LRGeneratedTable (grammar, method='LALR', log=None)
    Bases: pureyaml.ply.yacc.LRTable
__doc__ = None
__init__ (grammar, method='LALR', log=None)
__module__ = 'pureyaml.ply.yacc'
add_lalr_lookaheads (C)
add_lookaheads (lookbacks, followset)
compute_follow_sets (ntrans, readsets, inclsets)
compute_lookback_includes (C, trans, nullable)
```

```

compute_nullable_nonterminals ()
compute_read_sets (C, ntrans, nullable)
dr_relation (C, trans, nullable)
find_nonterminal_transitions (C)
lr0_closure (I)
lr0_goto (I, x)
lr0_items ()
lr_parse_table ()
pickle_table (filename, signature='')
reads_relation (C, trans, empty)
write_table (tabmodule, outputdir='', signature='')
class pureyaml.ply.yacc.LRItem(p, n)
    Bases: object
    __dict__ = dict_proxy({'__module__': 'pureyaml.ply.yacc', '__str__': <function __str__ at 0x7f96b18465f0>, '__repr__': <function __repr__ at 0x7f96b18465f0>})
    __doc__ = None
    __init__ (p, n)
    __module__ = 'pureyaml.ply.yacc'
    __repr__ ()
    __str__ ()
    __weakref__
        list of weak references to the object (if defined)
class pureyaml.ply.yacc.LRParser(lrtab, errorf)
    __doc__ = None
    __init__ (lrtab, errorf)
    __module__ = 'pureyaml.ply.yacc'
    disable_defaulted_states ()
    errok ()
    parse (input=None, lexer=None, debug=False, tracking=False, tokenfunc=None)
    parsedebug (input=None, lexer=None, debug=False, tracking=False, tokenfunc=None)
    parseopt (input=None, lexer=None, debug=False, tracking=False, tokenfunc=None)
    parseopt_notrack (input=None, lexer=None, debug=False, tracking=False, tokenfunc=None)
    restart ()
    set_defaulted_states ()
class pureyaml.ply.yacc.LRTable
    Bases: object
    __dict__ = dict_proxy({'__module__': 'pureyaml.ply.yacc', 'read_pickle': <function read_pickle at 0x7f96b1847050>, 'write_pickle': <function write_pickle at 0x7f96b1847050>})

```

```
__doc__ = None
__init__ ()
__module__ = 'pureyaml.ply.yacc'
__weakref__
    list of weak references to the object (if defined)
bind_callables (pdict)
read_pickle (filename)
read_table (module)
```

```
class pureyaml.ply.yacc.Miniproduction (str, name, len, func, file, line)
```

```
Bases: object
```

```
__dict__ = dict_proxy({'__module__': 'pureyaml.ply.yacc', 'bind': <function bind at 0x7f96b1846500>, '__str__': <fun
__doc__ = None
__init__ (str, name, len, func, file, line)
__module__ = 'pureyaml.ply.yacc'
__repr__ ()
__str__ ()
__weakref__
    list of weak references to the object (if defined)
bind (pdict)
```

```
class pureyaml.ply.yacc.NullLogger
```

```
Bases: object
```

```
__call__ (*args, **kwargs)
__dict__ = dict_proxy({'__module__': 'pureyaml.ply.yacc', '__getattr__': <function __getattr__ at 0x7f96b18
__doc__ = None
__getattr__ (name)
__module__ = 'pureyaml.ply.yacc'
__weakref__
    list of weak references to the object (if defined)
```

```
class pureyaml.ply.yacc.ParserReflect (pdict, log=None)
```

```
Bases: object
```

```
__dict__ = dict_proxy({'validate_precedence': <function validate_precedence at 0x7f96b18480c8>, 'validate_modules':
__doc__ = None
__init__ (pdict, log=None)
__module__ = 'pureyaml.ply.yacc'
__weakref__
    list of weak references to the object (if defined)
get_all ()
get_error_func ()
```

```

get_pfunctions ()
get_precedence ()
get_start ()
get_tokens ()
signature ()
validate_all ()
validate_error_func ()
validate_modules ()
validate_pfunctions ()
validate_precedence ()
validate_start ()
validate_tokens ()

```

```
class pureyaml.ply.yacc.PlyLogger (f)
```

```
Bases: object
```

```
__dict__ = dict_proxy({'info': <function debug at 0x7f96b1826f50>, '__dict__': <attribute '__dict__' of 'PlyLogger' object>})
```

```
__doc__ = None
```

```
__init__ (f)
```

```
__module__ = 'pureyaml.ply.yacc'
```

```
__weakref__
```

```
list of weak references to the object (if defined)
```

```
critical (msg, *args, **kwargs)
```

```
debug (msg, *args, **kwargs)
```

```
error (msg, *args, **kwargs)
```

```
info (msg, *args, **kwargs)
```

```
warning (msg, *args, **kwargs)
```

```
class pureyaml.ply.yacc.Production (number, name, prod, precedence=('right', 0), func=None,
                                     file='', line=0)
```

```
Bases: object
```

```
__dict__ = dict_proxy({'__module__': 'pureyaml.ply.yacc', '__nonzero__': <function __nonzero__ at 0x7f96b18461b8>})
```

```
__doc__ = None
```

```
__getitem__ (index)
```

```
__init__ (number, name, prod, precedence=('right', 0), func=None, file='', line=0)
```

```
__len__ ()
```

```
__module__ = 'pureyaml.ply.yacc'
```

```
__nonzero__ ()
```

```
__repr__ ()
```

```
__str__ ()
```

__weakref__
list of weak references to the object (if defined)

bind (*pdict*)

lr_item (*n*)

reduced = 0

exception `pureyaml.ply.yacc.VersionError`

Bases: `pureyaml.ply.yacc.YaccError`

__doc__ = None

__module__ = 'pureyaml.ply.yacc'

exception `pureyaml.ply.yacc.YaccError`

Bases: `exceptions.Exception`

__doc__ = None

__module__ = 'pureyaml.ply.yacc'

__weakref__

list of weak references to the object (if defined)

class `pureyaml.ply.yacc.YaccProduction` (*s*, *stack=None*)

__doc__ = None

__getitem__ (*n*)

__getslice__ (*i*, *j*)

__init__ (*s*, *stack=None*)

__len__ ()

__module__ = 'pureyaml.ply.yacc'

__setitem__ (*n*, *v*)

error ()

lexpos (*n*)

lexspan (*n*)

lineno (*n*)

linespan (*n*)

set_lineno (*n*, *lineno*)

class `pureyaml.ply.yacc.YaccSymbol`

__doc__ = None

__module__ = 'pureyaml.ply.yacc'

__repr__ ()

__str__ ()

`pureyaml.ply.yacc.call_errorfunc` (*errorfunc*, *token*, *parser*)

`pureyaml.ply.yacc.digraph` (*X*, *R*, *FP*)


```

pureyaml.ply.yacc.errok()
pureyaml.ply.yacc.format_result(r)
pureyaml.ply.yacc.format_stack_entry(r)
pureyaml.ply.yacc.get_caller_module_dict(levels)
pureyaml.ply.yacc.parse_grammar(doc, file, line)
pureyaml.ply.yacc.restart()
pureyaml.ply.yacc.rightmost_terminal(symbols, terminals)
pureyaml.ply.yacc.token()
pureyaml.ply.yacc.traverse(x, N, stack, F, X, R, FP)
pureyaml.ply.yacc.yacc(method='LALR', debug=True, module=None, tabmodule='parsetab',
                        start=None, check_recursion=True, optimize=False, write_tables=True,
                        debugfile='parser.out', outputdir=None, debuglog=None, errorlog=None,
                        picklefile=None)

```

pureyaml.ply.ygen module

```

pureyaml.ply.ygen.filter_section(lines, tag)
pureyaml.ply.ygen.get_source_range(lines, tag)
pureyaml.ply.ygen.main()

```

1.7.3 Submodules

1.7.4 pureyaml.decoder module

```

class pureyaml.decoder.YAMLDecoder(*args, **kwargs)
    Bases: pureyaml.nodes.NodeVisitor
    Convert node tree into python object.
    __doc__ = 'Convert node tree into python object.'
    __module__ = 'pureyaml.decoder'
    decode(s)
    visit_Binary(node)
    visit_Bool(node)
    visit_Doc(node)
    visit_Docs(node)
    visit_Float(node)
    visit_Int(node)
    visit_Map(node)
    visit_Null(_)
    visit_Scalar(node)

```

visit_Sequence (*node*)

visit_Str (*node*)

1.7.5 pureyaml.encoder module

class pureyaml.encoder.**SYMBOL** (*name*)

__doc__ = None

__init__ (*name*)

__module__ = 'pureyaml.encoder'

__repr__ ()

class pureyaml.encoder.**YAMLEncoder** (*indent=None, sort_keys=None, **kw*)

Bases: *pureyaml.nodes.NodeVisitor*

Convert node tree into string.

__doc__ = 'Convert node tree into string.'

__init__ (*indent=None, sort_keys=None, **kw*)

__module__ = 'pureyaml.encoder'

_encode (*obj*)

encode (*obj*)

iter_map_items (*node*)

iterencode (*obj*)

stack = []

visit_Binary (*node*)

visit_Bool (*node*)

visit_Float (*node*)

visit_Int (*node*)

visit_Map (*node*)

visit_Null (*node*)

visit_Scalar (*node*)

visit_Sequence (*node*)

visit_Str (*node*)

pureyaml.encoder.**_** (*obj*)

pureyaml.encoder.**is_float** (*string*)

pureyaml.encoder.**node_encoder** (**args, **kw*)

Convert python object to node tree.

1.7.6 pureyaml.exceptions module

exception `pureyaml.exceptions.YAMLCastTypeError` (*message=None, cast=None*)

Bases: `exceptions.TypeError`, `pureyaml.exceptions.YAMLErrorException`

`__doc__ = None`

`__init__` (*message=None, cast=None*)

`__module__ = 'pureyaml.exceptions'`

`__weakref__`

list of weak references to the object (if defined)

exception `pureyaml.exceptions.YAMLErrorException` (*message*)

Bases: `exceptions.Exception`

Base exception for package

`__doc__ = 'Base exception for package'`

`__init__` (*message*)

`__module__ = 'pureyaml.exceptions'`

`__str__` ()

`__weakref__`

list of weak references to the object (if defined)

exception `pureyaml.exceptions.YAMLStrictTypeError` (*token, types, func*)

Bases: `exceptions.TypeError`, `pureyaml.exceptions.YAMLErrorException`

`__doc__ = None`

`__init__` (*token, types, func*)

`__module__ = 'pureyaml.exceptions'`

`__str__` ()

`__weakref__`

list of weak references to the object (if defined)

exception `pureyaml.exceptions.YAMLSyntaxError` (*p, value=None*)

Bases: `exceptions.SyntaxError`, `pureyaml.exceptions.YAMLErrorException`

`__doc__ = None`

`__init__` (*p, value=None*)

`__module__ = 'pureyaml.exceptions'`

`__str__` ()

`__weakref__`

list of weak references to the object (if defined)

`msg_lines` ()

exception `pureyaml.exceptions.YAMLUnknownSyntaxError`

Bases: `exceptions.SyntaxError`, `pureyaml.exceptions.YAMLErrorException`

Unexpected syntax error

`__doc__ = 'Unexpected syntax error'`

`__module__ = 'pureyaml.exceptions'`

__weakref__
list of weak references to the object (if defined)

1.7.7 pureyaml.nodes module

Node definitions for intermediary node tree.

class pureyaml.nodes.**Node** (*value*, ****kwargs**)
Bases: object

```
__dict__ = dict_proxy({'__ne__': <function __ne__ at 0x7f96b1871578>, '__module__': 'pureyaml.nodes', '__ge__': <f
__doc__ = None
__eq__ (other)
__ge__ (other)
    x.__ge__(y) <==> x>=y
__gt__ (other)
__init__ (value, **kwargs)
__le__ (other)
    x.__le__(y) <==> x<=y
__lt__ (other)
    x.__lt__(y) <==> x<y
__module__ = 'pureyaml.nodes'
__ne__ (other)
__repr__ ()
__weakref__
    list of weak references to the object (if defined)
init_value (*values, **kwargs)
repr_value (value)
```

class pureyaml.nodes.**Collection** (**values*, ****kwargs**)
Bases: pureyaml.nodes.SequenceMixin, *pureyaml.nodes.Node*

```
__abstractmethods__ = frozenset([])
__add__ (other)
__doc__ = None
__init__ (*values, **kwargs)
__module__ = 'pureyaml.nodes'
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
init_value (*value, **kwargs)
```

class pureyaml.nodes.**Docs** (**values*, ****kwargs**)
Bases: *pureyaml.nodes.Collection*

```

__abstractmethods__ = frozenset([])
__doc__ = None
__module__ = 'pureyaml.nodes'
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
class pureyaml.nodes.Doc(*values, **kwargs)
Bases: pureyaml.nodes.Collection
__abstractmethods__ = frozenset([])
__doc__ = None
__module__ = 'pureyaml.nodes'
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
class pureyaml.nodes.Sequence(*values, **kwargs)
Bases: pureyaml.nodes.Collection
__abstractmethods__ = frozenset([])
__doc__ = None
__module__ = 'pureyaml.nodes'
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
class pureyaml.nodes.Map(*args, **kwargs)
Bases: pureyaml.nodes.MappingMixin, pureyaml.nodes.Collection
__abstractmethods__ = frozenset([])
__doc__ = None
__eq__ (other)
__module__ = 'pureyaml.nodes'
__abc_cache = <_weakrefset.WeakSet object>
__abc_negative_cache = <_weakrefset.WeakSet object>
__abc_negative_cache_version = 25
__abc_registry = <_weakrefset.WeakSet object>
init_value(*values, **kwargs)

```

class `pureyaml.nodes.Scalar` (*value*, **args*, ***kwargs*)
Bases: `pureyaml.nodes.Node`

```
__doc__ = None
__eq__ (other)
__gt__ (other)
__init__ (value, *args, **kwargs)
__len__ ()
__module__ = 'pureyaml.nodes'
init_value (value, *args, **kwargs)
type = NotImplemented
```

class `pureyaml.nodes.Null` (*value*, **args*, ***kwargs*)
Bases: `pureyaml.nodes.Scalar`

```
__doc__ = None
__module__ = 'pureyaml.nodes'
init_value (*values, **kwargs)
type = None
```

class `pureyaml.nodes.Str` (*value*, **args*, ***kwargs*)
Bases: `pureyaml.nodes.Scalar`

```
__doc__ = None
__module__ = 'pureyaml.nodes'
init_value (value, *args, **kwargs)
type
    alias of str
```

class `pureyaml.nodes.Int` (*value*, **args*, ***kwargs*)
Bases: `pureyaml.nodes.Scalar`

```
__doc__ = None
__module__ = 'pureyaml.nodes'
init_value (value, base=None, *args, **kwargs)
type
    alias of int
```

class `pureyaml.nodes.Float` (*value*, **args*, ***kwargs*)
Bases: `pureyaml.nodes.Scalar`

```
__doc__ = None
__eq__ (other)
__module__ = 'pureyaml.nodes'
init_value (value, *args, **kwargs)
type
    alias of float
```

```

class pureyaml.nodes.Bool(value, *args, **kwargs)
    Bases: pureyaml.nodes.Scalar
    FALSE_VALUES = ['FALSE', 'NO', '0']
    TRUE_VALUES = ['TRUE', 'YES', '1']
    __doc__ = None
    __module__ = 'pureyaml.nodes'
    init_value(value, *args, **kwargs)
    type
        alias of bool

class pureyaml.nodes.Binary(value, *args, **kwargs)
    Bases: pureyaml.nodes.Scalar
    __doc__ = None
    __module__ = 'pureyaml.nodes'
    classmethod from_decoded(data)
    init_value(value, *args, **kwargs)
    type = 'binary'

class pureyaml.nodes.ScalarDispatch
    Bases: object
    __dict__ = dict_proxy({'map': {'int16': <functools.partial object at 0x7f96b1874a48>, 'infinity': <class 'pureyaml.nodes'>}})
    __doc__ = None
    __module__ = 'pureyaml.nodes'
    static __new__(value, cast=None)
    __weakref__
        list of weak references to the object (if defined)
    map = {'int16': <functools.partial object at 0x7f96b1874a48>, 'infinity': <class 'pureyaml.nodes.Float'>, 'int10': <functools.partial object at 0x7f96b1874a48>}}
    re_dispatch = <_sre.SRE_Pattern object at 0x2551960>

class pureyaml.nodes.NodeVisitor(*args, **kwargs)
    Bases: object
    __dict__ = dict_proxy({'__module__': 'pureyaml.nodes', '_visit': <function _visit at 0x7f96b18782a8>, 'visit': <function visit at 0x7f96b18782a8>}})
    __doc__ = None
    __init__(*args, **kwargs)
    __module__ = 'pureyaml.nodes'
    __weakref__
        list of weak references to the object (if defined)
    _visit(node)
    generic_visit(node)
    visit(node)

```

1.7.8 pureyaml.parser module

Build yacc parser from lex tokens.

```
class pureyaml.parser.YAMLLexer
    Bases: pureyaml.grammar.tokens.YAMLTokens
    __doc__ = None
    __module__ = 'pureyaml.parser'
    classmethod build (**kwargs)
    t_ANY_error (t)
    classmethod tokenize (data)

class pureyaml.parser.YAMLParser (**kwargs)
    Bases: pureyaml.grammar productions.YAMLProductions
    __doc__ = None
    __init__ (**kwargs)
    __module__ = 'pureyaml.parser'
    p_error (p)
    parse (data, **kwargs)
    parsedebug (data, **kwargs)
    tokenize (data)
```


Feedback

If you have any suggestions or questions about **pureyaml** feel free to email me at bionikspoon@gmail.com.

If you encounter any errors or problems with **pureyaml**, please let me know! Open an Issue at the GitHub <https://github.com/bionikspoon/pureyaml> main repository.

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