

# :mod:`tabnanny` --- Detection of ambiguous indentation

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 1); [backlink](#)**

Unknown interpreted text role "mod".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 4)**

Unknown directive type "module".

```
.. module:: tabnanny
   :synopsis: Tool for detecting white space related problems in Python
             source files in a directory tree.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 8)**

Unknown directive type "moduleauthor".

```
.. moduleauthor:: Tim Peters <tim_one@users.sourceforge.net>
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 9)**

Unknown directive type "sectionauthor".

```
.. sectionauthor:: Peter Funk <pf@artcom-gmbh.de>
```

Source code: :source:`Lib/tabnanny.py`

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 13); [backlink](#)**

Unknown interpreted text role "source".

For the time being this module is intended to be called as a script. However it is possible to import it into an IDE and use the function :func:`check` described below.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 17); [backlink](#)**

Unknown interpreted text role "func".

## Note

The API provided by this module is likely to change in future releases; such changes may not be backward compatible.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tabnanny.rst, line 27)**

Unknown directive type "function".

```
.. function:: check(file_or_dir)
```

If `*file_or_dir*` is a directory and not a symbolic link, then recursively descend the directory tree named by `*file_or_dir*`, checking all `:file:`.py`` files along the way. If `*file_or_dir*` is an ordinary Python source file, it is checked for whitespace related problems. The diagnostic messages are written to standard output using the `:func:`print`` function.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library] tabnanny.rst, line 36)**

Unknown directive type "data".

```
.. data:: verbose
```

Flag indicating whether to print verbose messages. This is incremented by the ``-v`` option if called as a script.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library] tabnanny.rst, line 42)**

Unknown directive type "data".

```
.. data:: filename_only
```

Flag indicating whether to print only the filenames of files containing whitespace related problems. This is set to true by the ``-q`` option if called as a script.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library] tabnanny.rst, line 49)**

Unknown directive type "exception".

```
.. exception:: NannyNag
```

Raised by :func:`process\_tokens` if detecting an ambiguous indent. Captured and handled in :func:`check`.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library] tabnanny.rst, line 55)**

Unknown directive type "function".

```
.. function:: process_tokens(tokens)
```

This function is used by :func:`check` to process tokens generated by the :mod:`tokenize` module.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library] tabnanny.rst, line 64)**

Unknown directive type "seealso".

```
.. seealso::
```

Module :mod:`tokenize`  
Lexical scanner for Python source code.