32.8. `tabnanny` — Detection of ambiguous indentation

Source code: Lib/tabnanny.py

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 `check()` described below.

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

`tabnanny.` **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 `.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 `print()` function.

`tabnanny.` **verbose**

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

`tabnanny.` **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.

exception `tabnanny.` **NannyNag**

> Raised by `process_tokens()` if detecting an ambiguous indent. Captured and handled in `check()`.

`tabnanny.` **process_tokens**(*tokens*)

> This function is used by `check()` to process tokens generated by the `tokenize` module.

> **See also:**
>
> **Module** `tokenize`
>   Lexical scanner for Python source code.