isort Python import sorter

CONCEPTS

isort rewrites files in place by default. Run it with --diff first or commit before the first run. With Black, always set --profile black (or the config equivalent), or the two tools fight over wrapping.

Imports top of each file
↓ classify
Sections FUTURE, STDLIB, THIRDPARTY, FIRSTPARTY, LOCALFOLDER
↓ sort
Order in section import x, then from x import y
↓ wrap
Output line length, multi-line mode

Config is found automatically: pyproject.toml ([tool.isort]), .isort.cfg, setup.cfg, tox.ini or .editorconfig. Command-line flags override it.

RUN

`isort .`
Sort every Python file below here

`isort <file.py> <dir>`
Sort given files and folders

`isort --check-only .`
Exit 1 if any file would change

`isort --diff .`
Print the changes, write nothing

`isort --check-only --diff .`
Show why a CI check fails

STYLE

`isort --profile black .`
Use a preset (black, django, google, ...)

`isort -l <n> .`
Maximum import line length

`isort -m <mode> .`
Multi-line wrap mode (GRID, VERTICAL, 3, ...)

`isort --sl .`
One imported name per line

`isort --fss .`
Sort by module, ignore import / from style

SECTIONS

`isort -p <pkg> .`
Treat <pkg> as first party

`isort --src <dir> .`
Add a source path (finds first-party code)

`isort -o <pkg> .`
Treat <pkg> as third party

Sections, in order

Section	Holds
`FUTURE`	__future__
`STDLIB`	Python standard library
`THIRDPARTY`	Installed packages
`FIRSTPARTY`	Your own packages
`LOCALFOLDER`	Relative imports (from . import x)

IMPORTS AND FILES

`isort -s <name> .`
Skip a file or directory

`isort --gitignore .`
Skip files listed in .gitignore

`isort --filter-files <file.py>`
Apply skips to explicitly named files

CONFIG

`isort --show-config <file.py>`
Show settings and where they came from

`isort --settings-path <path> .`
Use a specific config file or folder

Skip markers in code

Marker	Effect
`# isort: skip`	Leave this import line alone
`# isort: skip_file`	Ignore the whole file
`# isort: off / on`	Pause and resume sorting
`# isort: split`	Sort above and below separately

EXIT CODES

Code	Meaning
`0`	Done, or nothing to change with --check-only
`1`	--check-only: files would change
`2`	Bad command-line arguments