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.

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

isort --diff --check-only *<file.py>*
Diff plus failing exit code, one file

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)

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