SQLFluff

SQL linter and formatter

CONCEPTS

Always set a dialect (--dialect or in .sqlfluff); without one SQLFluff cannot lint most real SQL.

Template jinja / dbt
↓ render
Lex + parse per dialect
↓ rules
Lint violations
↓ fix
Fixed SQL written back

LINT

sqlfluff lint *<path>*
Lint a file or directory

sqlfluff lint .
Lint the current directory

sqlfluff lint -d *<dialect>* *<path>*
Set the dialect

sqlfluff lint -r *<rules>* *<path>*
Check only these rules

sqlfluff lint -e *<rules>* *<path>*
Skip these rules

sqlfluff lint -f json *<path>*
Machine-readable output

sqlfluff lint --nofail *<path>*
Always exit 0

FIX AND FORMAT

sqlfluff fix *<path>*
Fix violations in place

sqlfluff format *<path>*
Autoformat in place

sqlfluff fix -r *<rules>* *<path>*
Fix only these rules

INSPECT

sqlfluff parse *<file>*
Print the parse tree

sqlfluff render *<file>*
Show templated SQL

sqlfluff rules
List all rules

sqlfluff dialects
List all dialects

OPTIONS

--templater / -t *<name>*
raw, jinja, python, placeholder

CONFIG

[sqlfluff]
Core settings section

dialect = *<name>*
Default dialect

exclude_rules = *<list>*
Rules to skip

max_line_length = *<n>*
Line length limit (LT05)

[sqlfluff:rules:<*rule*>**]**
Per-rule settings

.sqlfluffignore
Paths to skip

IGNORING CODE

-- noqa
Ignore all rules on this line

-- noqa: *<rules>*
Ignore listed rules on this line

COMMON RULES

LT01
Spacing

LT02
Indentation

LT05
Line too long

CP01
Keyword capitalisation

INTEGRATION

pip install sqlfluff
Install

RECIPES

Minimal .sqlfluff

```
[sqlfluff]
dialect = postgres
exclude_rules = LT05, ST07
max_line_length = 100

[sqlfluff:indentation]
tab_space_size = 4
```