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

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

INSPECT (cont.)

`sqlfluff dialects`
List all dialects

CONFIG

`[sqlfluff]`
Core settings section

`dialect = <name>`
Default dialect

`exclude_rules = <list>`
Rules 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
```