

# query decompile

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[Plumbing] Read an intermediate representation of a compiled query from a .qlo file.

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This content describes the most recent release of the CodeQL CLI. For more information about this release, see <https://github.com/github/codeql-cli-binaries/releases>.

To see details of the options available for this command in an earlier release, run the command with the `--help` option in your terminal.

## Synopsis

Shell



```
codeql query decompile [--output=<file>] <options>... -- <file>
```

## Description

[Plumbing] Read an intermediate representation of a compiled query from a .qlo file.

The code will be written to standard output, unless the `--output` option is specified.

## Options

### Primary Options

`<file>` 

[Mandatory] QLO file to read from.

`-o, --output=<file>` 

The file to write the desired output to.

**--kind=<kind>** [↗](#)

The kind of the intermediate representation to read. The options are:

**dil** : A Datalog intermediate representation.

**ra** : A relational algebra intermediate representation. This is used by the query evaluation phase.

**bytecode** : Show the raw (uncompressed) bytecode from the .qlo file. Mostly useful for debugging the compiler/evaluator.

The default is **dil** if the query was compiled with **--include-dil-in-qlo** and **ra** otherwise

## Common options [↗](#)

**-h, --help** [↗](#)

Show this help text.

**-J=<opt>** [↗](#)

[Advanced] Give option to the JVM running the command.

(Beware that options containing spaces will not be handled correctly.)

**-v, --verbose** [↗](#)

Incrementally increase the number of progress messages printed.

**-q, --quiet** [↗](#)

Incrementally decrease the number of progress messages printed.

**--verbosity=<level>** [↗](#)

[Advanced] Explicitly set the verbosity level to one of errors, warnings, progress, progress+, progress++, progress+++. Overrides **-v** and **-q**.

**--logdir=<dir>** [↗](#)

[Advanced] Write detailed logs to one or more files in the given directory, with generated names that include timestamps and the name of the running subcommand.

(To write a log file with a name you have full control over, instead give **--log-to-stderr** and redirect stderr as desired.)

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