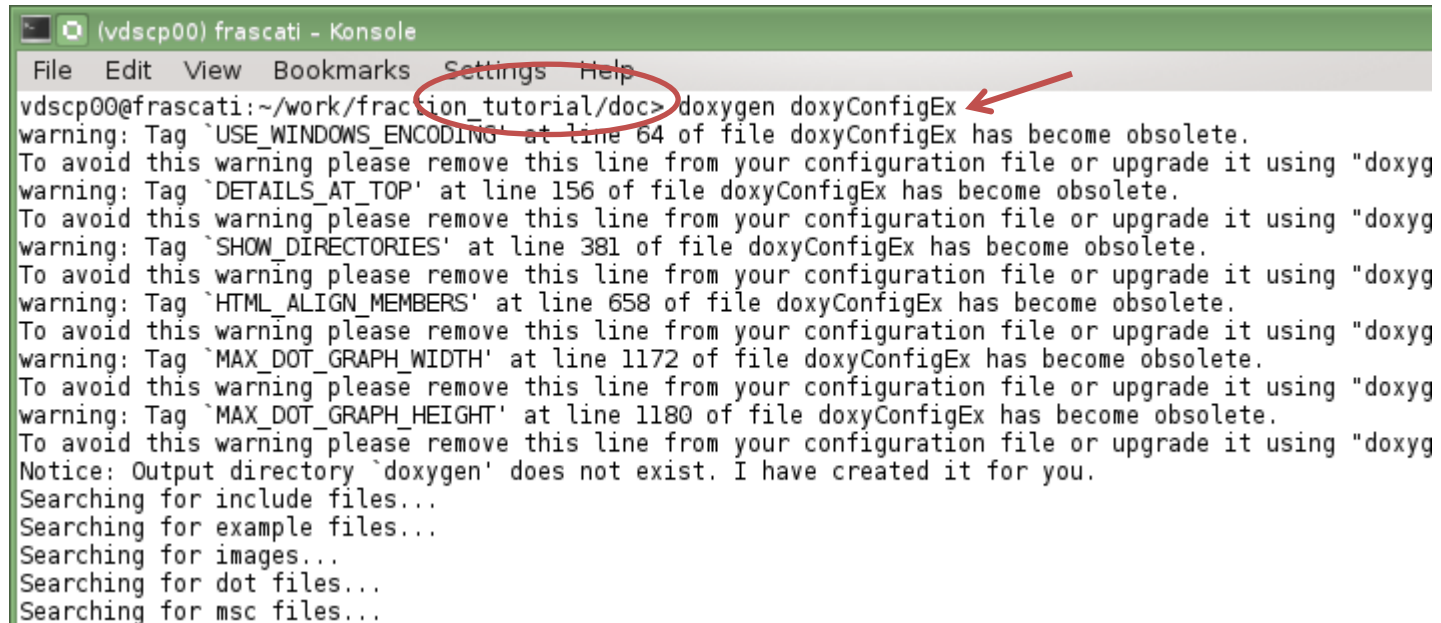# Doxygen

Doxygen

- Doxygen is a program that generates automatically documentation from comments included in the code
  - information about how to format comments in the code for doxygen can be found in:
    http://www.stack.nl/~dimitri/doxygen/manual/docblocks.html
- Check that the notation used to write the comments in the code of the tutorial follows the doxygen format

Doxygen

- Doxygen needs a configuration file
  - in the directory *doc* resides the configuration file *doxyConfigEx* for the tutorial
  - some important configuration values are:
    - PROJECT_NAME: name of the doxygen project (set to Fraction)
    - OUTPUT_DIRECTORY: folder where documentation will be placed (set to doxygen)
    - INPUT: defines where the code is located (set to ../)
    - GRAPHICAL_HIERARCHY: allows to create a graphical visualization of the class hierarchy
    - GENERATE_HTML: enables generation of html files (set to yes)
- Open the configuration file and have a look to the different option and the corresponding explanations
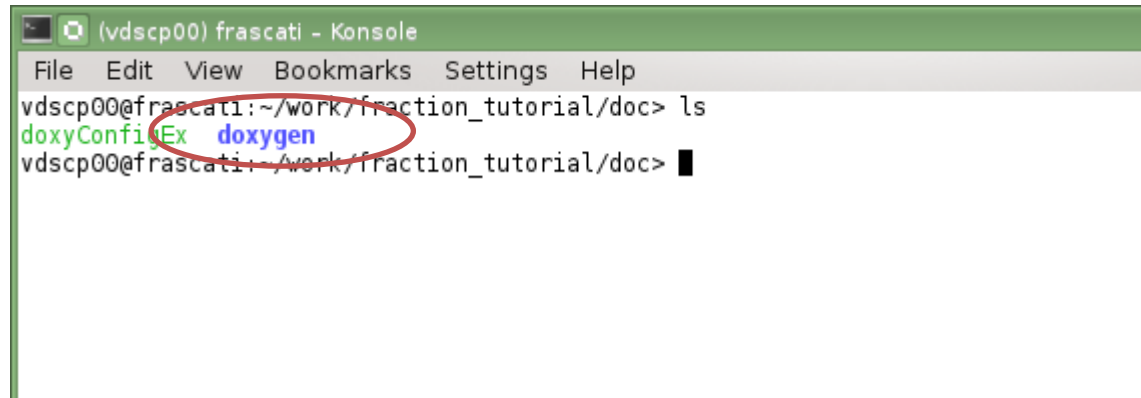
Doxygen

- To run doxygen type from the */doc* folder:
doxygen doxyConfigEx

Doxygen

- Notice that the folder /doc/doxygen with all documentation files has been produced, have a look to the html file /doc/doxygen/index.html