

Doxygen

⇒ It is a tool for automatic documentation generation based on commented ~~code~~ code.

→ It is a program that can look into your source files, extract comments and make useful documentation.

→ Works with both C++ & Python.

→ Generate HTML code (several web pages)

→ Can also generate latex or PDF.

★ How to Use

1. Setup a configuration file

→ Make a doc folder in the Project root and then enter: `doxygen-g`

2. Edit the configuration file

3. When comments in the code change, run `doxygen` in the folder with Doxy file.

* Commenting your code

⇒ If you place comments before the functions and variables use:

- `/* * /` OR `/*!*/` for multiple comments OR
- `//!` OR `///` for single line comments.

⇒ If you place comments after functions or variables use:

- `/* * < */` OR `/*! < */` for multiline comments OR
- `//! <` OR `/// <` for single line comments.

⇒ `@` or `\` preceded text are seen as commands by doxygen

* Working with Doxygen

`sudo apt-get install doxygen`

`\author`

`\version`

`\date`

`\bug`

`\warning`

`\copyright`

`\mainpage`

`\section`

`\subsection`

⇒ Empty line to make separation between contents.

\\brack

\\Param

\\details.

INPUT = .. /src .. /include

FILE_PATTERNS

\\

*.cpp *.h

→ { directory for
all the source
file }

→ { All the files it
should look
for }

EXTRACT_ALL = YES

GENERATE_HTML = YES

GENERATE_LATEX = NO

PROJECT_NAME = "My-Project"