Running Doxygen

If you are using the Codespaces IDE, you can see if Doxygen is installed by using the command: `doxygen`. If you see this:

```
doxygen
bash: doxygen: command not found
```

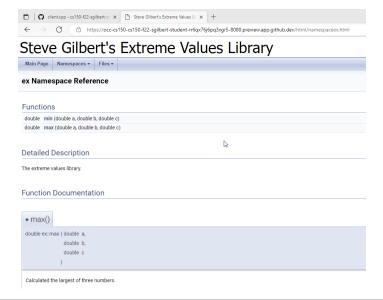then Doxygen is not installed in your instance. Install it like this:

```
sudo apt-get install doxygen
Reading package lists... Done
... more stuff ...
After this operation, 20.0 MB of additional disk space will be
used. Do you want to continue? [Y/n]
```

Type `Y` and press `ENTER` and it will be installed for your current session. Type `doxygen` again, and you'll see a list of the program's options. Here are the ones you want to use:

- Type `doxygen -g` to generate a **configuration file** named `Doxyfile`. You can change its name if you like.

- In the configuration file, you might want to change these items. Just open it with your text editor, make the changes and save it.

    - Change the Project Name to something appropriate

    - Set **Brief Member Desc** to NO

    - Set **Javadoc auto brief** to YES

    - Set **Warn no param doc** to YES

    - Set **Generate Latex** to NO

    - Set **Have Dot** to NO

- Browse through the rest of the configuration file, and the online configuration help, to further customize your configuration. Save the configuration file, so you don't need to reconfigure if you need to install Doxygen again.

After you've created your configuration file, put it in the folder with your documented library files. Type the command `doxygen Doxyfile` and Doxygen will process your files and produce a new folder inside your project folder, named `html`.

To view your files (inside the CodeSpaces IDE), just type `http-server` in the terminal window and **Control-Click** the link that it provides you. Navigate to the `index.html` file in the `html` folder and click it, and you'll see the documentation for your library. When you're done looking at it, stop the `http-server` by typing `Control-C` in the terminal window.

Steve Gilbert's Extreme Values Library

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ex Namespace Reference

Functions

double	min (double a, double b, double c)
double	max (double a, double b, double c)

Detailed Description

The extreme values library.

Function Documentation

◆ max()

```
double ex::max ( double  a,
                 double  b,
                 double  c
               )
```

Calculated the largest of three numbers.