GitHub Tutorials

Below are a list of the tutorials included in this folder along with a description of each, they are listed in approximately the order we would expect you to need them in, but everyone’s experience will be a little different.

[GitHub Getting Started](https://docs.google.com/document/d/15GPXIdxUpaz693vgKeKaM5yQb0q7dBS61tUg4E3mBUc/edit?usp=sharing)

[GitHub Cloning](https://docs.google.com/document/d/1kXob_nXz-LxOyJcHq-zgJnskma10SPXm7YCy1dhujq0/edit?usp=sharing)

* how to clone a repository, that is get it on your computer and iteract with it from the commandline

[GitHub Working Locally](https://docs.google.com/document/d/1Ivk_IHnZd862YWdlppmqpU_0VRKY9FbbAOZ-XNC-TN8/edit?usp=sharing)

* This tutorial focuses on Git and how you can use it to access GitHub repositories from the command line.
* It includes instructions for creating and using branches, pushing and pull changes, and some other generally helpful commands

[GitHub Creating a Repository](https://docs.google.com/document/d/1ggRCqv0VcuQnd6Ct_icz6L5P_2XNL3DxNolfG3CppC0/edit?usp=sharing)

* How to make a new github repository, either empty or from files you already have on your computer.

[GitHub Issues](https://docs.google.com/document/d/1708on0RTfYwuK58ycfdSIfMXArHlxM8_vs-bGfVmDLM/edit?usp=sharing)

* This is instructions on how to write Issues in a GitHub repository, not problems with GitHub. Most projects use Issues as a log for requested changes, bug reports, or questions about the code.

[GitHub Pull Requests](https://docs.google.com/document/d/1L3kE17JCd0TeBhmoE7qSsfohiG1C7A8-X0Yi7PiYFAs/edit?usp=sharing)

* Pull Requests are how you move your changes/version of the code into the “master” or main version of the c

[GitHub Forking](https://docs.google.com/document/d/1qdRfO4hkexBoxear9YPCUxfkwz0Luv0R3F3DF9zqF-c/edit?usp=sharing)

* Forking is a way to make your own copy of an exisiting repository. Some projects require this if you want to submit changes (including RDKit, NumPy, etc).

[Git Command Glossary](https://docs.google.com/spreadsheets/d/13A5TS4ZgXceVGAxnjlnahDNCOPVHr4v7bfNoDxRfjeM/edit?usp=sharing)

* This is a list of Git commands with a short explanation of what they do and when you should use them.
* The main goal for this file is that you can help yourself remember the word for a certain command as some of them are not all that intuitive.

[ReadTheDocs and Sphinx](https://docs.google.com/document/d/1HFsLOEckvHxfAMoveO7bTl02VtuH1xDXWckKrcyvSLk/edit?usp=sharing)

* ReadTheDocs is a tool available for free for public GitHub repositories. It allows you to make a website for your repo (see [chemper.readthedocs.io](https://chemper.readthedocs.io/en/latest/) for an example)
* Sphinx is the python package ReadTheDocs uses to build this website.
* A note, this tutorial is very basic and the ReadTheDocs is highly customizable. This is just a starting point so you don’t go in blind, but we encourage you to take a look at all the online resources.