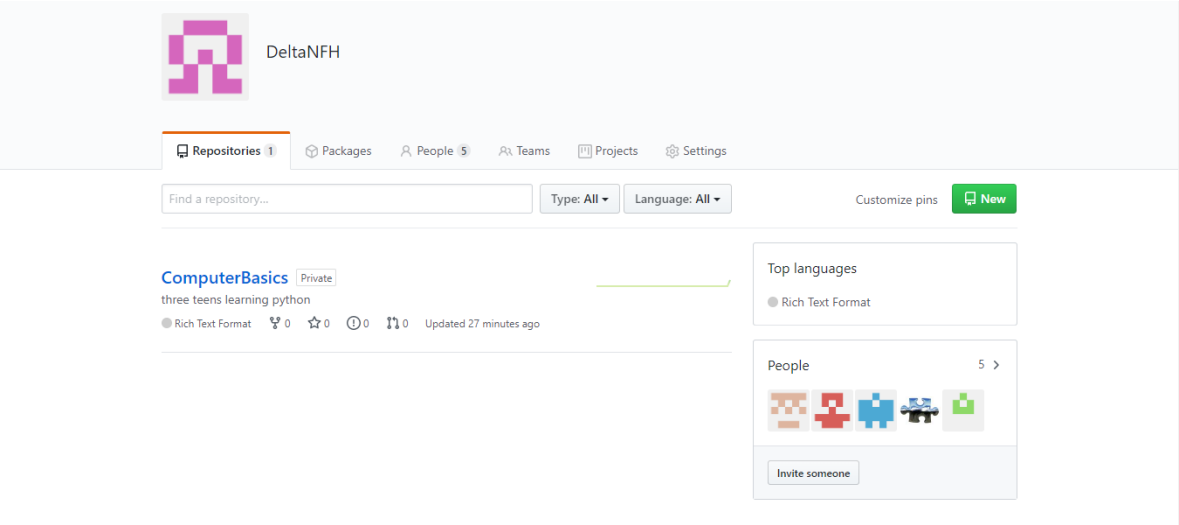
HowToGitHub101 (for Windows 10)

This document will discuss the steps needed to import your first text document to the online ComputerBasics repository.

1) *How to create a GitHub Account*

Use this site to https://github.com/ create an account.

By doing so, you will be eligible to work on our repository called ComputerBasics. This is a repository (submission for documents, programs, and the like) for ProjectDeltaNFH. The submission of documents will be sent from your local computer to this online repository.



2) *How to Create a Repository Directory*

In your computer, create a folder called ProjectDelta. Within it, create a folder called ComputerBasics. The folder ComputerBasics will serve as your "connection" to the online ComputerBasics folder. Whatever files you import to your computer's ComputerBasics folder, you will be able to transfer to the online ComputerBasics folder. Whatever files you import online, the other people will be able to see, modify and evaluate which is beneficial for the project's development.

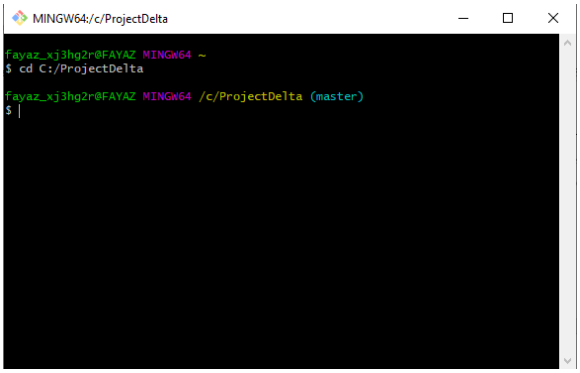
3) *How to download GitBash*

Going to https://git-scm.com/downloads will initiate the download for the Git package. Use all the standard settings as they are chosen best. Once all the choices are selected, the installation of the app will commence.

4) *How to Clone Online Repository to Computer*

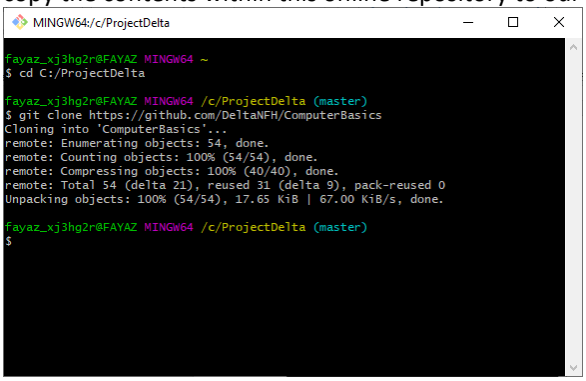
The first step is to direct where you want your repository to be stored in your computer. Ideally, it should be stored within the ProjectDelta folder. The code that will be used here is `cd (Directory)`. The cd command is intended to change the current directory.

Note - Git Bash will only work with forward slashes (/) and not with the conventional backslashes (\).



Now that we are in our desired directory, we can clone the online repository ComputerBasics to our computer. This is done with the simple command `git clone`. This command, as the name implies, clones or copies the contents to our computer. A new folder, or repository, will be created within our directory, ProjectDelta, which will be automatically named ComputerBasics.

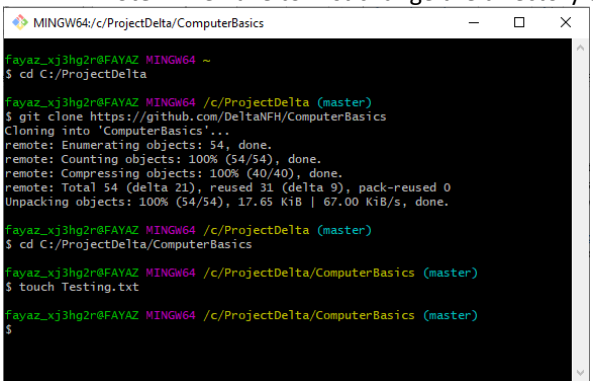
Note – For cloning, use the url https://github.com/DeltaNFH/ComputerBasics. This will allow Git Bash to copy the contents within this online repository to our computer-repository.



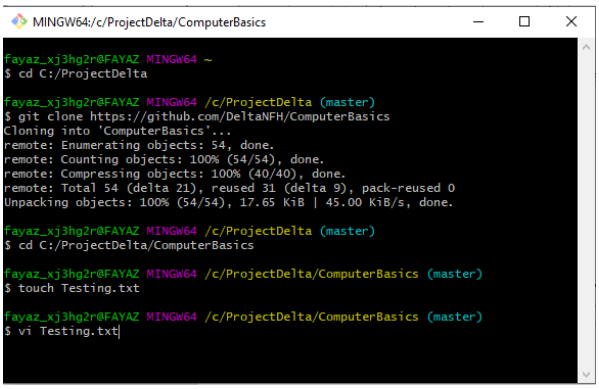
5) *How to create and edit a text file (Notepad)*

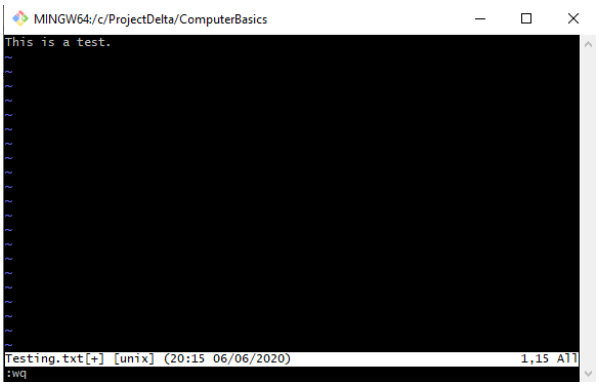
Creating a text file can be done easily with one step. Use the command `touch (file name and type)`. This will create within the repository a new file specified by the name and type provided by us. The file size will always be 0 bytes.

Note – We have to first change the directory to the repository by once doing the `cd` command.



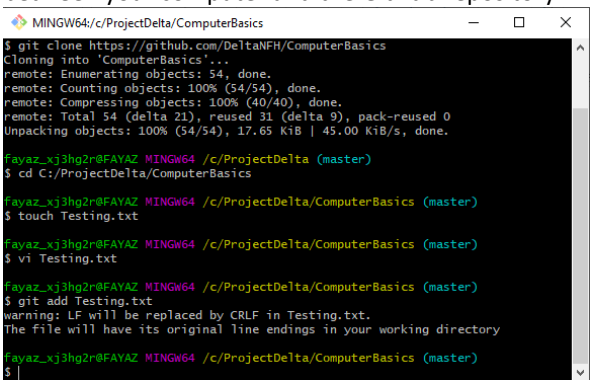
To edit your newly created-text file, use the command `vi (file name)`. It's important to note that `vi` only works for text documents, which includes Notepad files. A vi editor will pop up which will allow you to edit the file. First type capital I then start typing. When you are done, press esc and type :wq. Typing w will save and q will exit.





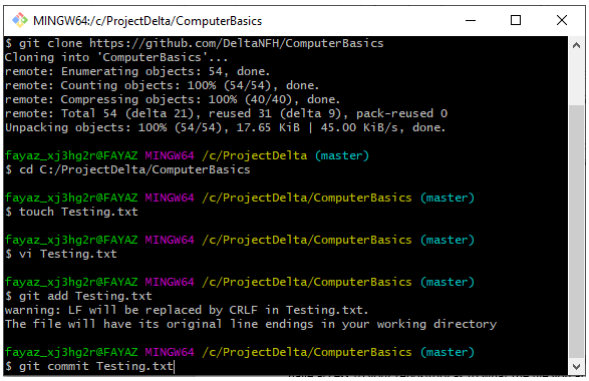
6) *How to transfer said Text File to GitHub Repository*

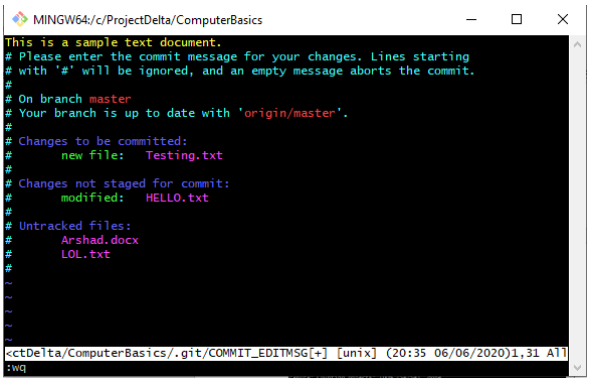
Now that we created the text file, we can now transfer it to our online GitHub repository. This can be done by first typing `git add Testing.txt` This will add your file to the index. This can be considered as middle-stage between your computer and the GitHub repository. What can be done to move this document is by …



… the next step which is `git commit Testing.txt` This will essentially provide a message for the people who have access to your repository as to what the file you are submitting is. You can type up anything you want here. Again, to exit, type :wq

Note – An empty message will end the commit & any message that starts with # will be ignored.





The last step is finally submitting the text document to the online repository. This is done by `git push`. That's it!

You should be seeing your text document when you now log in to the online GitHub repository.

Note – It's safe to first check by using `git pull`. If something changes to the repository while doing your `git push` command, then your attempt will be rejected. `git pull` will essentially update your repository for any changes that may have accorded. Then it is safe to `git push`.