

Git Lab 2 Git Concepts

- GT-WU-A-02 - Git Concepts
 - Step 0 - Verify Installations (Skip this step if you completed the "setup git" instructions earlier).
 - Step 1 - Create a repository.
 - Step 2 - Identify yourself to Git
 - Step 3 - Using Git help

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By the end of this lab you should be able to:

- Verify Git Installations
- Identify the git repository
- Ask Git for help



These lab exercises assume you have successfully installed git on your system. If you have not done so, please return to the "setup git" instructions previously.

Step 0 - Verify Installations (Skip this step if you completed the "setup git" instructions earlier).

From a command line interface check that git has been installed and is accessible on your system path.

"git --version"

```
C:\>git --version
git version 1.8.0.msysgit.0
C:\>
```

If you are on windows and have chosen to user Tortoise Git, verify that the various content menus are available via the right click menu.

Step 1 - Create a repository.

- If you have not already done so, go to the root of your system (C drive on windows) and create a new directory to store your repositories:
 - `cd c:/`
 - `mkdir git_repos`
 - `cd git_repos`
- Create a new repository to work in
 - `git init myrepo`
 - This command will create an empty repository in a relative directory called "newrepo".
 - If the directory doesn't exist git will create it.
 - You can also specify a full path with `git init <path/to/repo/directory>`.

Step 2 - Identify yourself to Git

- Use the commands covered in module two to globally identify yourself to git :
 - `git config --global user.name "your name"`
 - `git config --global user.email "your@email.com"`

Step 3 - Using Git help



The first place you should look if you ever need help is within the Git documentation

While it is all available online, remember Git is distributed - it does not assume an internet connection!

The documentation is installed locally for you as html pages - by accessing the local documentation you can be certain you will always get the right version for your installation.

- From the command line - issue the command:

- *git help*
- From the output, can you see a list of all available git commands?
- Explore this command with additional options such as :
 - *git help add*
 - *git help commit*
 - *git help merge*
 - *git help status*
 - *git help clone*

You have reached the end of this module and should now continue onto module 3

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