Article about Git
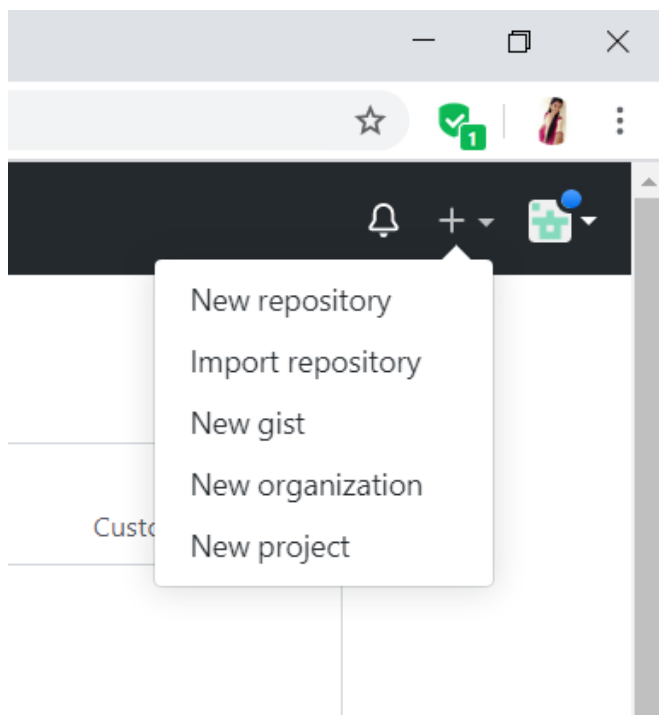
What is Git?

A git is a version control system for tracking changes in computer files and coordinating work on those files among multiple people.

Creating a Repository

Go to your github account and click **+** and then click **New repository**.

Give a name to your repository in place of **Repository name** and then make it **Public** . Click **Create repository**.

Cd command

change the directory by giving the **location** of the file you need to push into your github.
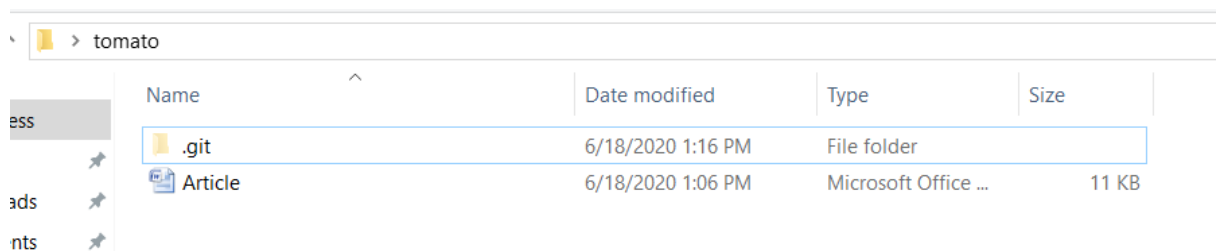
Init command

git init

This command will create a **.git** folder to the location of the file.

Status command

git status

The status command is used to know the **status** of your repository.

Add command

git add "name of the file"

Adds the file to the staging area.

```
Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git add Article.docx

Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ |
```

```
Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git config --global user.email "yamunashree6799@gmail.com"

Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git config --global user.name "Yamushree"
```

Commit command

git commit –m "your message"

committed means that the data is safely stored in the database.

```
Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git commit -m "committed"
[master 3f21f0a] committed
 1 file changed, 0 insertions(+), 0 deletions(-)
```

Remote command

git remote -v

The command "git remote -v" will show whether our local repo is linked to any remote URL.

```
Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git remote -v
```

This means, by default the remote URL is not setup for this local repository. So, we will setup the remote URL using the "**git remote add origin**" command.

```
Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git remote add origin https://github.com/Yamushree/git_article.git

Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git remote -v
origin  https://github.com/Yamushree/git_article.git (fetch)
origin  https://github.com/Yamushree/git_article.git (push)

Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$
```

Pushing the local repository to Github

Push command

git push –u origin master

This command pushes the contents to the remote github repository**.**

```
Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 968.52 KiB | 17.61 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Yamushree/git_article.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

Admin@DESKTOP-4H6C39U MINGW64 ~/Desktop/tomato (master)
$
```

Branch: master ▾   New pull request

Create new file   Upload files   Find file   Clone or download ▾

Yamushree committed   Latest commit 3f21f0a 10 minutes ago

📄 Article.docx   committed   10 minutes ago

Help people interested in this repository understand your project by adding a README.   Add a README