

Guide for Using Git and GitHub

edureka!

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Using Git and GitHub

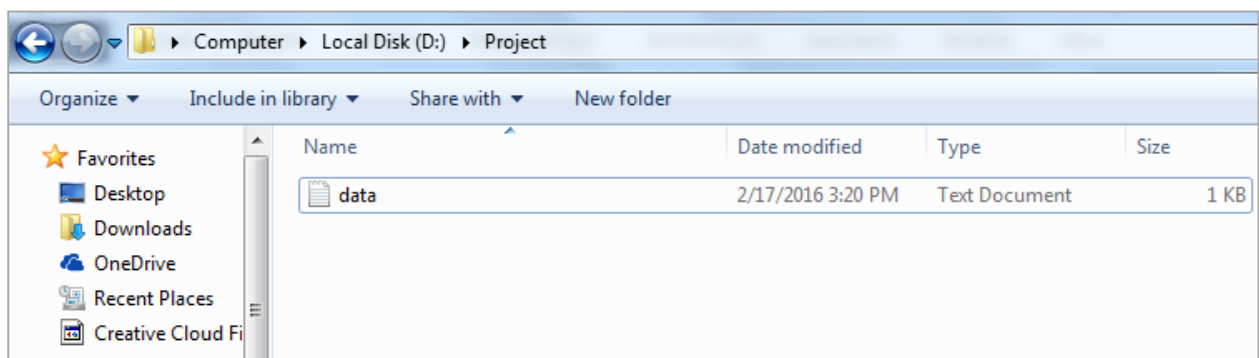
This is a step by step guide which will help you to understand how to use Git and to push code to the remote GitHub repository

If you are interested to know more about Git and GitHub checkout the following blogs

<http://www.edureka.co/blog/git-ting-ahead-hacking-git-and-github-part-1>

<http://www.edureka.co/blog/gitting-ahead-hacking-git-and-github-part-2>

- » Initializing a folder/directory as Git repository, below we have just one file data.txt inside Project folder. Let's initialize Project directory as Git repository



- » `git init`

```
MINGW64:/d/Project

Class@Edureka28 MINGW64 ~
$ cd D:

Class@Edureka28 MINGW64 /d
$ cd Project

Class@Edureka28 MINGW64 /d/Project
$ git init
Initialized empty Git repository in D:/Project/.git/

Class@Edureka28 MINGW64 /d/Project (master)
$ |
```

» Staging all the files using git add

```
Class@Edureka28 MINGW64 /d/Project (master)
$ git add .
```

» Checking the status with git status (optional)

```
Class@Edureka28 MINGW64 /d/Project (master)
$ git status
On branch master

Initial commit

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)

        new file:   data.txt

Class@Edureka28 MINGW64 /d/Project (master)
$ |
```

» Committing the files using git commit

```
Class@Edureka28 MINGW64 /d/Project (master)
$ git commit -am "All Changes done"
[master (root-commit) 507845c] All Changes done
Committer: Class <Class>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 data.txt
Class@Edureka28 MINGW64 /d/Project (master)
$ |
```

- » Next we are going to push the changes to remote [GitHub repository](#) but before that we need to create a repository on GitHub, so let's do that. If you don't already have a GitHub account you can create one at <https://github.com/>

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

Repository name

EdurekaRepository ▾

 /

git-demo ✓

Great repository names are short and memorable. Need inspiration? How about **potential-spork**.

Description (optional)

Demo repository|

☒ Public

Anyone can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

☐ Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾

 |

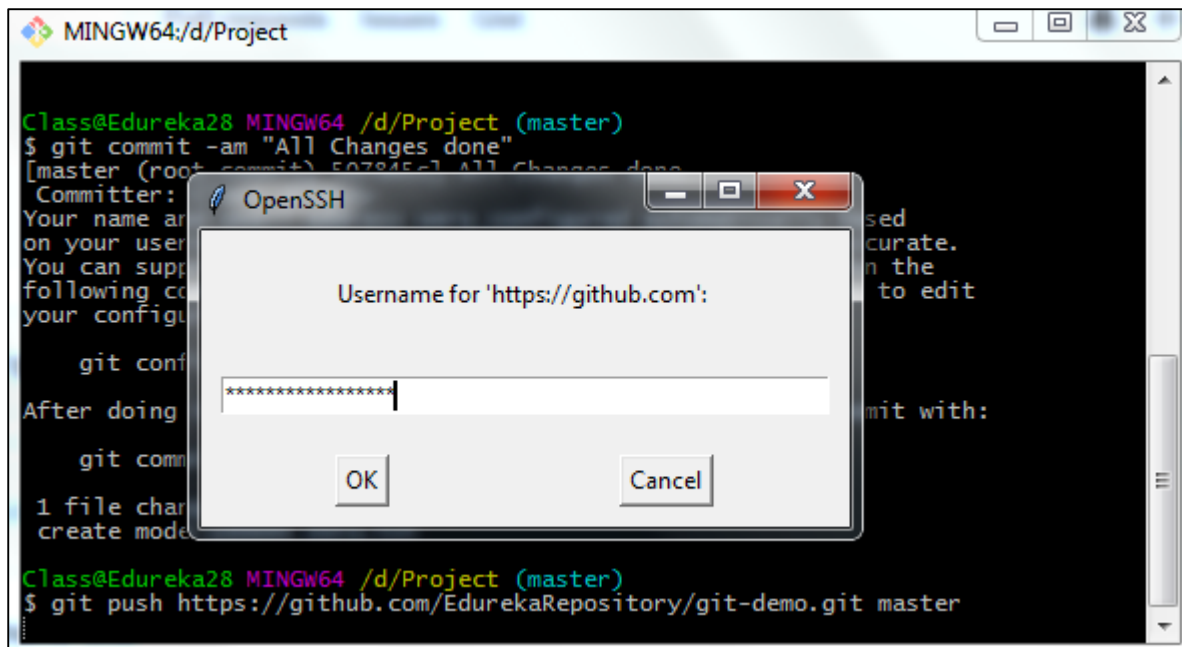
Add a license: None ▾

 ⓘ

Create repository

Above we have created a public repository git-demo

- » Pushing code to GitHub repository, note that each GitHub repository will have a unique URL and you will be asked to provide your [GitHub username and password for pushing the code](#)



Once you provide the correct username and password you will be able to push the code to remote GitHub repository

```
Class@Edureka28 MINGW64 /d/Project (master)
$ git push https://github.com/EdurekaRepository/git-demo.git master
Counting objects: 3, done.
Writing objects: 100% (3/3), 230 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/EdurekaRepository/git-demo.git
 * [new branch]      master -> master

Class@Edureka28 MINGW64 /d/Project (master)
$
```

- » Once you push the changes to remote repository you will be able to see the changes in your GitHub repository as shown below:

