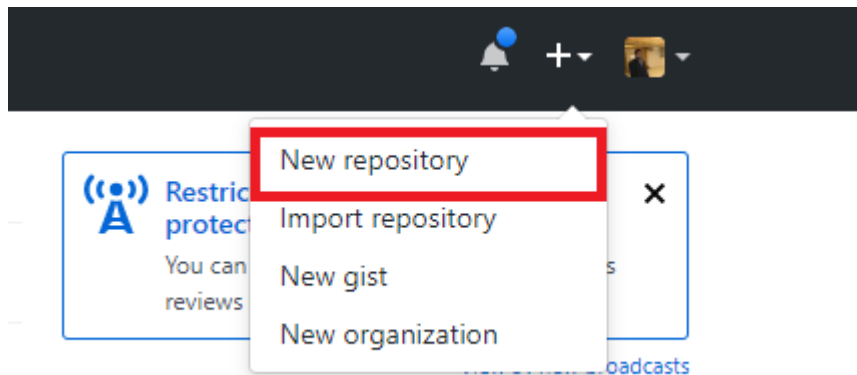


# Git and GitHub

- 1) Download git from this url and install on default setting  
<https://git-scm.com/>
- 2) On cmd/terminal check git version, you will see a version  
git -V or git --version
- 3) Signup on github  
<https://github.com/>

**NOTE : Be careful to when creating username. Username must be professional.**

- 4) Click on “+” on top right of your github account and select “New repository”




- 5) Enter “Repository Name” and click on “Create Repository”. Left other things default

## Create a new repository

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

---

Owner

 mtahir08 ▾


Repository name

✓


Great repository names are short and memorable. Need inspiration? How about **probable-memory**.

Description (optional)

---

☒  **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.

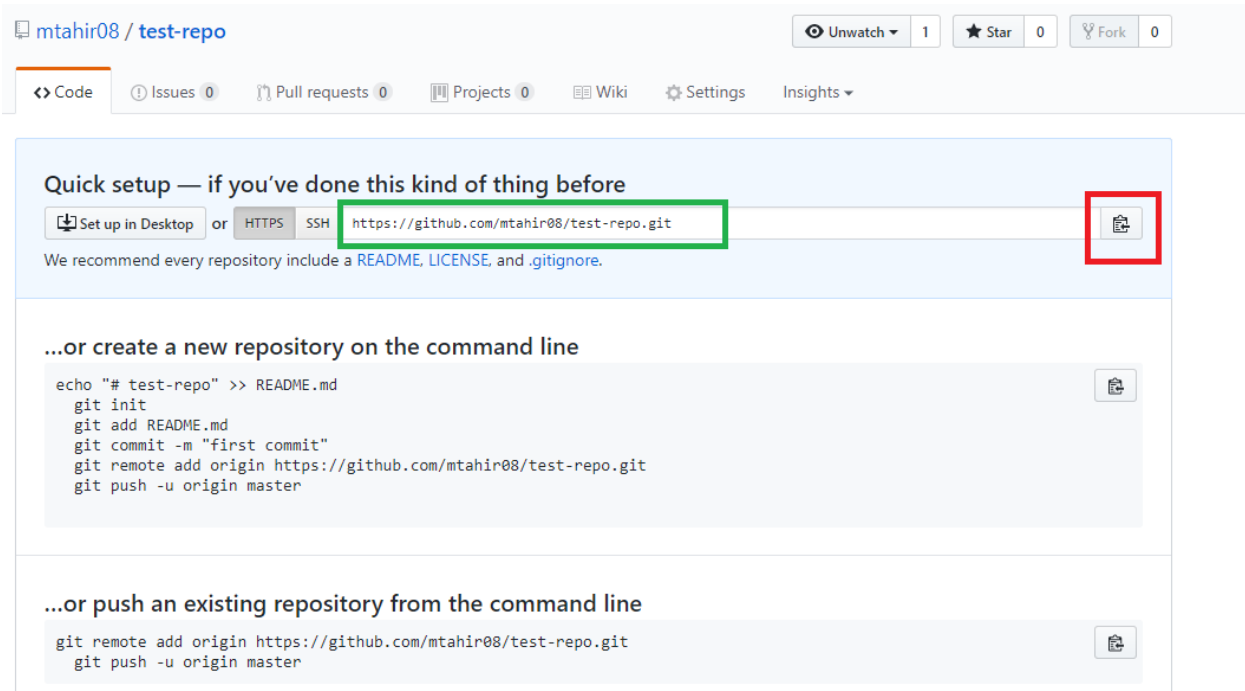
Add .gitignore: **None** ▾

Add a license: **None** ▾ 

---

**Create repository**

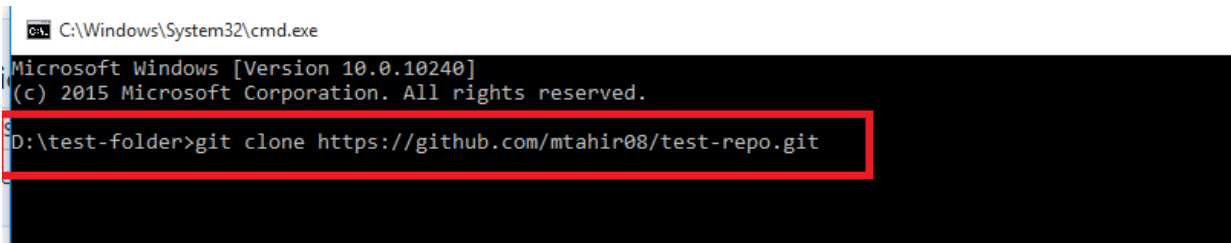
- 6) Now you will see your repository url. Copy that url by clicking on copy button on right side or repo url



- 7) Now on your pc create a folder (e.g test-folder).
- 8) Open cmd/terminal in that folder and enter following command and press enter key

`git clone <your repo url>`

(e.g git clone <https://github.com/mtahir08/test-repo.git>)



- 9) Now you will see another folder inside the folder you have create. This inner folder name is same as repo name(we will call this folder as **"repo folder"** in following steps). Now in **"repo folder"** you can add files/folder or paste your files/folder.
- 10) On cmd/terminal (in which you entered clone command) enter command  
`cd <repo folder name>`  
(e.g cd test-repo)

Now your cmd/terminal look like this

```
C:\Windows\System32\cmd.exe

D:\test-folder>cd test-repo

D:\test-folder\test-repo>
```

11) On cmd/terminal enter following commands

- a. git status

```
D:\test-folder>cd test-repo

D:\test-folder\test-repo>git status
On branch master

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        test.txt

nothing added to commit but untracked files present (use "git add" to track)

D:\test-folder\test-repo>
```

- b. git config --global user.name "<your name>"  
(e.g git config --global user.name "Muhammad Tahir")
- c. git --global config user.email "<your github email>"  
(e.g git config --global user.email "example@example.com")
- d. git add .
- e. git commit -m "<commit message>"  
(e.g git commit -m "added a text file")
- f. git push origin master

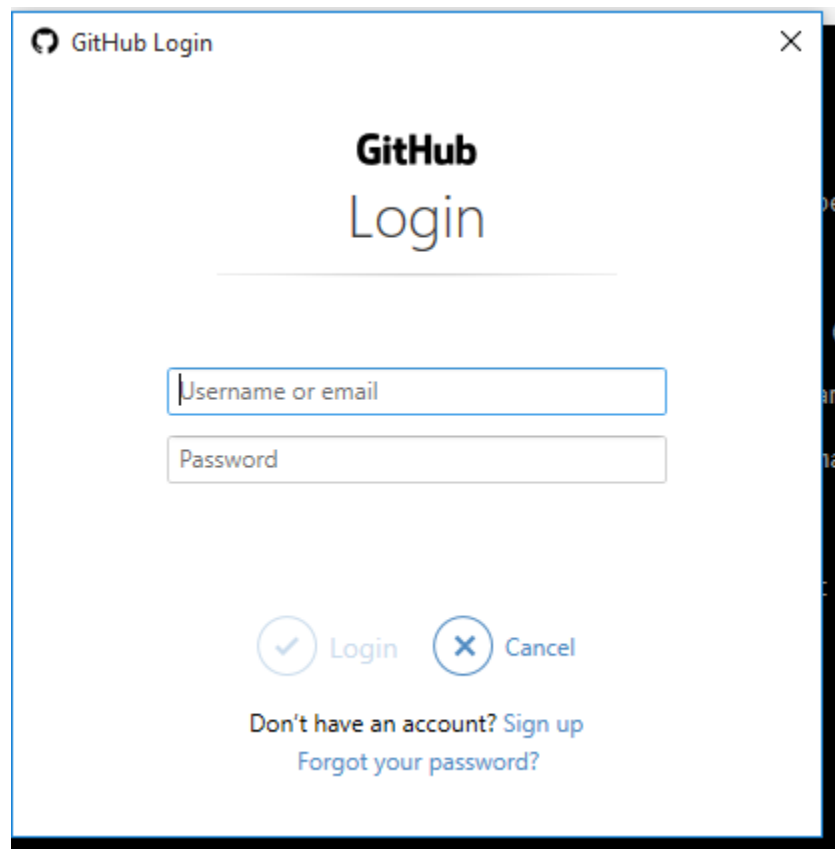
```
C:\Windows\System32\cmd.exe - git push origin master

D:\test-folder\test-repo>git status
On branch master
Your branch is up-to-date with 'origin/master'.
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        test.txt

nothing added to commit but untracked files present (use "git add" to track)
D:\test-folder\test-repo>git config --global user.name "Muhammad Tahir"
D:\test-folder\test-repo>git config --global user.email " "
D:\test-folder\test-repo>git add .
D:\test-folder\test-repo>git commit -m "added a text file"
[master 2ef45ae] added a text file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.txt
D:\test-folder\test-repo>git push origin master
```

If you see this screen enter your github credentials and do login



Now refresh your repo on github and you will see files there.

12) If you want to do changes on file or add files. Do and run following command to push changed files/new files on github

```
git add .  
git commit -m "<commit message">  
git push origin master
```