**HOW TO INSTALL AND CONFIGURE GIT AND GITHUB ON UBUNTU (LINUX)**

**STEP 1: To Create a GIT Account**

* Open the browser and search for GIThub – github.com click on it.
* If you are new to GIThub you can Sign up (or) Sign in directly with login details.
* Logged into the GIThub account.
* Now you can see the screen like **Read the guide** and **Start a project**
* You can also see the **Repositories** on left side and new Repository

Now click on New Repository

* Give the name of Repository

Ex: /Javaprograms

* **Public** – Free(choose)
* **Private** – you have to pay
* **Check Box Readme**
* **Add gitignore : None**
* **Choose License – MIT License**
* Click on **Create Repository**
* Now you can see the Repository
* **Now Again go to Terminal:**

To Configure your account : $ git config --global user.name “\_\_\_\_\_\_\_”

$ git config --global user.email “\_\_\_\_\_\_\_”

$ git config --list

user.name = \_\_\_\_\_\_\_

user.email = [\_\_\_\_\_\_\_@gmail.com](mailto:_______@gmail.com)

If you want to see where this file is located in ubuntu

* Go To home Directory / Already in home directory
* To list all the files: **>$ ls –al**
* Now we can search for git config: **>$gedit .gitconfig**
* Now you will be able to see the all configuration you have done
* Now we are ready to use GIT with GIT terminal

**STEP 2 : CLONING**

* If we want to clone the Javaprograms in my ubuntu operating system.

First: Create one directory.

>$ mkdir git\_workspace

Now again go to browser and open git account.

* There click on **CLONE** you will get a url : **“https:\…….”** Copy url.

Open command prompt or Terminal.

>$/git\_workspace $ git clone https:\......

* Cloning into JavaRepository.

Check it once : you have Cloned or not:

>git\_workspace $ ls

Javaprograms (done)

Now : >git \_workspace $ cd Javaprograms

Git\_workspace/Javaprograms $ ls

License Readme.md(done) (both files).

* Now lets create a Java program here : into the GIT hub

>git\_workspace/Javaprograms $ touch Helloworld.java.

>git\_workspace/Javaprograms $ ls

Helloworld.java License Readme.md

>gedit Helloworld.java

**{**

**->** Simple program

**}**

* To know the status :

>$ git status

**“Helloworld.java”**  in red colour.

To add to git use the following Command

>$ git add Helloworld.java

Again to know the status :

>$ git status

**“Helloworld.java”**  in green colour.

**STEP 3 : TO COMMIT**

* $ git Commit –m “first Java Program”

Your file is commited.

* >$git push -u origin master

Username :\_\_\_\_\_\_\_\_

(github) Password :\_\_\_\_\_\_\_\_\_

Now all the files are transferred to git hub repository.

Now again go to GIT browser and Refresh it.

**How to Delete Lock Files**

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| --- |
| * sudo rm /var/lib/dpkg/lock * sudo dpkg --configure -a * sudo rm /var/lib/apt/lists/lock * sudo rm /var/cache/apt/archives/lock * sudo apt update   **(or)**   * sudo apt-get update |

**After Commit how to push your program**

|  |
| --- |
| 1. Log in to Github 2. Click on you name/Avatar in the upper right corner end select settings 3. On the left, click Developer setting 4. Select Personal access tokens and click Generate new token 5. Give the token a description/name and select the scope of the token    * Select repo only to facilitate pull, push, clone, and commit actions 6. Generate Token 7. Copy the token- this is your password |