**git installation and github repository.**

1. <https://git-scm.com/book/en/v2/Git-Basics-Getting-a-Git-Repository>
2. <https://help.github.com/articles/adding-an-existing-project-to-github-using-the-command-line/#platform-linux> OR <https://help.github.com/articles/create-a-repo/>

**Step 1 : Install git**

sudo apt-get install git

**Step 2 : Initializing a Repository in an Existing Directory**

git init

The git init command creates a new Git repository.

It can be used to convert an existing, unversioned project to a Git repository or initialize a new empty repository.

Executing git init creates a .git subdirectory in the project root, which contains all of the necessary metadata for the repo.

**Step 3 : Add newly added files to the git repository.**

git add.

**Step 4 : Add git user name and email ID**

stack@ubuntu-ci:~/openstack\_ci$ git config --global user.email "umbarkar\_tushar@yahoo.com"

stack@ubuntu-ci:~/openstack\_ci$ git config --global user.name "tushar"

**Step 5 : Commit the changes to repository.**

git commit -m "first commit"

**Step 6 : Create a new repository on GitHub**

**Step 7 : In Terminal, add the URL for the remote repository where your local repository will be pushed.**

git remote add origin remote repository URL

stack@ubuntu-ci:~/openstack\_ci$ git remote add origin https://github.com/tusharumbarkar/openstack\_ci.git

# Sets the new remote (remote repository is the url from GITHUB for newly created repository.

git remote -v

# Verifies the new remote URL

**Step 8 : Push the changes in your local repository to GitHub.**

git pull --rebase origin master

git push origin master

stack@ubuntu-ci:~/openstack\_ci$ git push origin master

Username for 'https://github.com': [tushar.umbarkar9028@gmail.com](mailto:tushar.umbarkar9028@gmail.com) --------------🡪github username

Password for 'https://tushar.umbarkar9028@gmail.com@github.com': -----------🡪 github password

# Pushes the changes in your local repository up to the remote repository you specified as the origin

Verify the changes are reflected on Github.