

GitHub command line setup:

- **Create an account on GitHub**
- **Install Git on local machine:** `sudo apt-get install git` //for Ubuntu
- **Setup username and email:**

`git config --global user.name "username"` //same as GitHub account's username and email id

`git config --global user.email "user@example.com"`

- **Create a test project folder.** Change directory to this folder
- **Initialize empty git project:** `git init`
- **Add and commit to local repository:**

`git add -A`

`git commit -m "Initial Commit"`

`git status`

```
manisha@manisha-VirtualBox:~/git-testproject$ git init
Reinitialized existing Git repository in /home/manisha/git-testproject/.git/
manisha@manisha-VirtualBox:~/git-testproject$ git add -A
manisha@manisha-VirtualBox:~/git-testproject$ git commit -m "Initial Commit"
[master (root-commit) 237c2c5] Initial Commit
 1 file changed, 1 insertion(+)
   create mode 100644 test/test.py
manisha@manisha-VirtualBox:~/git-testproject$ git status
On branch master
nothing to commit, working tree clean
```

- **Create and Sign in an account on Bitbucket** (since private mode is paid version on GitHub)
- **Create a new repository:**

Create a new repository

[Import repository](#)

Workspace

Manisha Barse

Project name *

test-project

Repository name *

test

Access level

☒ Private repository

Uncheck to make this repository public. Public repositories typically contain open-source code and can be viewed by anyone.

Include a README?

Yes, with a tutorial (for beginne...

Advanced settings

Description

Forking

Allow only private forks

Language

Python

Create repository

Cancel

- To upload existing project to Bitbucket repository:

```
manisha@manisha-VirtualBox:~/git-testproject$ git remote add origin https://manisha20@bitbucket.org/manisha20/test.git
manisha@manisha-VirtualBox:~/git-testproject$ 
manisha@manisha-VirtualBox:~/git-testproject$ git push -f origin master
Password for 'https://manisha20@bitbucket.org':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 277 bytes | 277.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://bitbucket.org/manisha20/test.git
+ 4cb0260...237c2c5 master -> master (forced update)
manisha@manisha-VirtualBox:~/git-testproject$
```

git remote add origin link-of-the-bitbucket-repository-where-project-is-to-be-uploaded

git push -f origin master

- Test clone on local machine:

```
manisha@manisha-VirtualBox:~/git-testproject$ cd ../git-test-clone/
manisha@manisha-VirtualBox:~/git-test-clone$ git clone https://manisha20@bitbucket.org/manisha20/test.git
Cloning into 'test'...
Password for 'https://manisha20@bitbucket.org':
remote: Counting objects: 4, done.
remote: Total 4 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (4/4), done.
manisha@manisha-VirtualBox:~/git-test-clone$
```

git clone link-of-the-bitbucket-repository-where-project-is-uploaded

References:

<https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>

<https://www.youtube.com/watch?v=sXPUTKXXX6E>

<https://www.youtube.com/watch?v=AvGBbTZrqsM>