

Git Commands:

\$ mkdir git_demo

- Create a directory named "git_demo"

\$ rmdir <dir_name>

- Remove a directory name

\$ cd git_demo

- Change to "git_demo" directory

\$git config --global user.name "<name>"

- Change the username to <name>

\$git config --global user.email "<email>"

- Assign the email to the user

\$git config --global user.name

- Display the user name

\$git config --global user.email

- Display the email id

\$whoami

- Displays system user name

\$pwd

- Present working Directory

\$cd ..

- Move one directory back

`$ls`

- List the files, directories in pwd (`ls -a` -> lists hidden files/folders too)
- `$ls` (Linux based) , `$dir` (Windows based)

`$clear`

- Clears the screen

Git commands

`$git help`

- Displays the Git related commands and their use

`$git init`

- Creates an empty Repository in the pwd
- Changes the current branch to “master” by default.

`$git status`

- Displays the current status of the repository

`$touch demo.txt`

- Creates an empty file named demo.txt

`$git add demo.txt`

- Add “demo.txt” file into the current repository

`$ git commit -m "Committing the file Demo.txt"`

- Commit the changes in the local repository.
- -m Option adds a message while committing.

Instructions:

1. Create a repository in GitHub and copy the link of the same.

2. Here we are using <https://github.com/shrivatsakoulgi/<repo-name>.git> as the repository name.

```
$ git remote add origin  
https://github.com/shrivatsakoulgi/<repo-name>.git
```

- This will create the origin of our target repository to the URL.

```
$ git remote set-url origin  
https://github.com/shrivatsakoulgi/<repo-name>.git
```

- This will set the URL for Git Push command for the Remote repository.

```
$ git remote -v
```

- Displays the current remote repository names

```
$ git push origin master
```

- Tries to Push the current repository into Remote repository defined in Origin.
- Asks the user to authenticate and access permission.
- Authenticate by signing in the browser, accept the request and give the password .
- The local repository is successfully pushed in to the GitHub.

Instructions:

1. To Pull a repository from GitHub, we need to create a repository in the local system.
2. Then we can Pull from the GitHub URL into that local repository.

```
$git init myrepo
```

- Create a local repository named “myrepo”

```
$ git pull
```

<https://github.com/shrivatsakoulgi/<repo-name>>

- Pulls from GitHub to local repository “myrepo”