Github: Is a command line tool, provideds a web-basied graphical interface. Also provides access control and several collaboration features.

How does it work?

Github is used to simplify the process of version control and sharing projects. Github is open source. So all the projects can be downloaded by anyone with a particular link. To learn how to specifically use github follow the steps below.

To install git:

- Sudo apt-get install get

Initial Configuration:

- mkdir my_get_project
- cd my_git_project

Git init ~ creates a .git directory that contains all the git-rleated information for your project

To configure username,email, and color .ui:

```
git config --global user.name 'Shaumik'
git config --global user.email 'sd@gmail.com'
git config --global color.ui 'auto'
```

Check the Status of your Repository: git status

To add files for Git to Track: git add my_file

To add multiple files: git add myfile2 myfile3

Removing files: git rm --cached(file_name)

Committing Changes: git commit -m “My first commit”

To chechk the changes to the tracked files from the last commit by running `git diff <file>`

To add all tracked files by running: git add -u

To check the history of your project: git log

To view the details of a particular commit and the files that were changed, run the following command: git show <hash>

After you create a remote repository, you have the ability to add a remote origin and then push the code to the origin:

```
git remote add origin
```

```
Git push -u origin master
```