1. *GitHub is an open source GIT repository manager based on Rails and developed by GitHub Inc.*
2. *It is a web-based GIT repository manager that allows your team to work on code, perform feature requests, track bugs, and test and implement applications.*
3. *Git is the tool / software / program that is used to keep track of your project files .*
4. *it is the “version control” system, where the word “version” here refers to the changes or revisions that you make to your project over time.*

***Firstly you have to create an account on github.com then after that you will have username and email.***

***install Git for Ubuntu***

*apt-get install git*

***Now set up the configuration details of the GitHub user.***

*git config --global user.name "pankajgupta-si"*

*git config --global user.email "guptapankaj855@gmail.com"*

***Now Create a folder on our system anywhere. This will pushed it in the GitHub website.***

*mkdir deep*

*git init deep*

*cd deep*

***Adding repository files to an index***

***This is an important step. Here we add all the files that need to be pushed onto the website. These files might be the text file, programs, script or any document that you might add for the first time into the repository.***

***Now create file for testenig***

*vi deep.sh*

***add it to the index by using the following 2 commands***

*git add deep.sh*

***Committing changes made to the index***

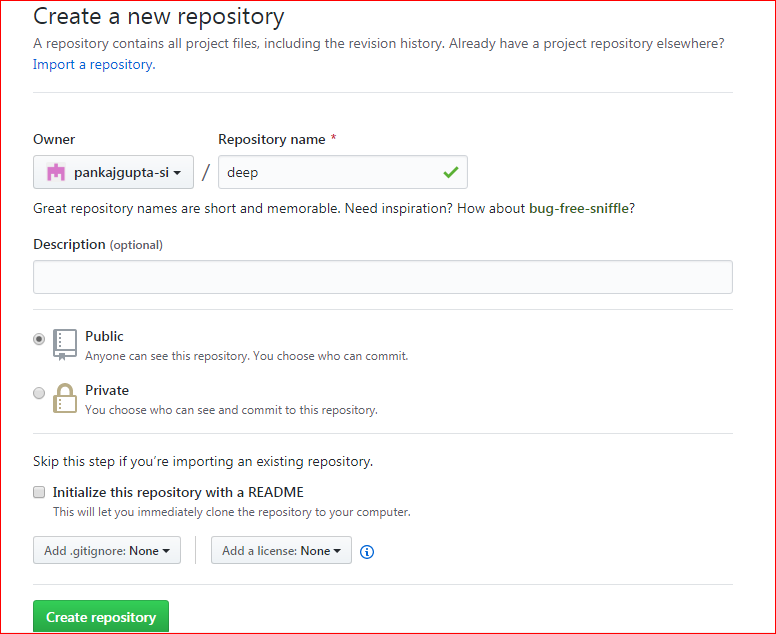
*git commit -m "Only test"*

***Now Create a repository on GitHub***

*Notice that the name of the repository should be the same as the repository's on the local system.*

*Once it is created, we can push the contents of the local repository onto the GitHub reposito****ry***

*In this case, it will be "deep". To login to your account on https://github.com. Then click on the "plus(+)" symbol at the top right corner of the page and select "create new repository". Fill the details as shown in the image below and click on "create repository" button.*

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*Once it is created, push the contents of the local repository onto the GitHub repository.*

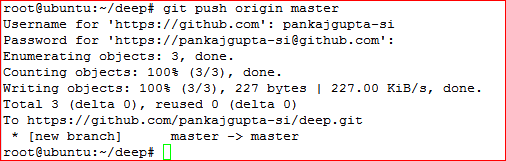
*Make sure you replace 'user\_name' and 'deep' in the path with your Github username and folder before running the command.*

*git remote add origin https://github.com/pankajgupta-si/deep.git*

***Pushing files in local repository to GitHub repository***

*git push origin master*

***Enter the login credentials user-name and password.***

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***Cloning repository on Local System***

*When you create a repository on GitHub, it exists as a remote repository. You can clone your repository to create a copy on your computer.*

*After clone, you can add and edit files and then push and pull updates.*

***first you have to add your ssh public key in github***

*ssh-keygen -t rsa*

*cd .ssh*

*cat id\_rsa.pub*

*ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDP3N96F9Fc2RwjNIXoTK3EawbSgmfVGAktRMxaQ6gKLpn7D2TZ0PoqTZs91Ij8c34LeX3gSkrWfwgyu+x3zAoBpthH4lLKGEdAwlTIx9h0b7sZ6rZQiQg8knI83zR+4/vNxsdW29lGQ5uvQ/maXhJRCPdr2ZGV2WFi+XlEVpCxoIx1NpPNl7eUcl0UO8jO+UqaXCoy8CamN4c50/Jyn3WzLMDSdhoMzybvvjQpMrXkp5LkcA5b1HX5niKZRGAnDHQYWZT1ZpM8ZZv5+4m9adXRBH9AcDA6b8ON9c8NT5yO4oUXxKcVDdxq3tKb2Fic7NW7QWBlnyqVbcPcWTpRaREp root@ubuntu*

***Copy public key and put in github, for adding you need to click on setting then SSH and GPG keys and then new ssh key and paste the key***

***make a folder where you want to create clone***

*mkdir desktop*

*cd desktop*

*git clone https://github.com/pankajgupta-si/deep.git*

***After that you will get the repo deep in desktop, simply enter the deep and you will get files.***

***if you want create some programs or scrips then you have to just create program***

*vi raj.txt*

***For add this file in repo type below command***

*git add raj.txt*

*git commit -m "mine new"*

*git push*

***Now check in GitHub at Web Interface.***