GIT AND GITHUB

Steps :

1. Install git and create a github account

2. Create a local git repository

To begin open the terminal and add command about the location where you want to create the project folder

$ cd ~/Desktop

$ mkdir myproject

$ cd myproject /

To initialize a git repository in root of the folder, run the git init command

$ git init

3. Add a new file to the repo

Go ahead and add a new file to the project, using any text editor you like or running a [touch](http://linux.die.net/man/1/touch) command. `touch newfile.txt` just creates and saves a blank file named newfile.txt.

Once you've added or modified files in a folder containing a git repo, git will notice that the file exists inside the repo. But, git won't track the file unless you explicitly tell it to. Git only saves/manages changes to files that it tracks, so we’ll need to send a command to confirm that yes, we want git to track our new file.

$ touch newfile.txt

$ ls

After creating new file you can use git status command to see which files git knows exist

$ git status

4. Add a file to the staging environment using git add command

If you rerun the git status command, you'll see that git has added the file to the staging environment

5. Create a commit

It is the time to create your first commit! And Run the command

$ git commit -m"This is my first commit!"

6. Create a new branch

$ git branch

7. Create a new repository on GitHub.

To create a new repo on GitHub, log in and go to the GitHub home page. You can find the “New repository” option under the “+” sign next to your profile picture, in the top right corner of the navigation bar:

After that we want to push that onto GitHub

$ git remote add origin https://github.com/shalima2209/webprogramming.git

$ git push -u origin master

8.Push a branch to GitHub

Now we'll push the commit in your branch to your new GitHub repo. This allows other people to see the changes you've made. If they're approved by the repository's owner, the changes can then be merged into the primary branch.

To push changes onto a new branch on GitHub, you'll want to run [git push](http://git-scm.com/docs/git-push) origin your branch name. GitHub will automatically create the branch for you on the remote repository:

$ git push origin my-new-branch

9.Create a pull request

It done in github page. A pull request is a way to alert a repo's owner that you want to make some changes to their code.

10. Merge the pull request by clicking the green pull request button.This will merge the changes into the primary branch.

11.Next generate a new ssh key in terminal

For that open terminal

$ ssh-keygen -t ed25519 -C "your emailid.com"

> enter

type a secure passphrase

Add your ssh key to the ssh agent to manage your keys,

$ eval "$(ssh-agent-s)"

> Agent pid 59566

12. Add the SSH key to the GitHub account.

Add generated key to your account in settings

Settings> ssh&gpg key >ssh key > (paste the public key from git.pub) >confirm

13.Make some changes to local repo again.And push again .

### REPO LINK:

https://github.com/Shalima-Shajahan-2032/web-programming