

Problem Statement: Create version control account on Github and using Git commands to create repository and push your code to Github.

Git is a version control system that lets you manage and keep track of your source code history. GitHub is a cloud-based hosting service that lets you manage Git repositories. manage our projects with repositories and it allows us to see full time history of a every commit coding in collaboration.roll back to previous commit.

**\*\* Links:**

Visual Studio Code Download Link : <https://bit.ly/3yJZNJd>

Git Download Link : <https://bit.ly/3wFy5ul>

Github Account Creation Link : <https://bit.ly/3wFTLqm>

create folder GitDemo and open terminal , make a folder into it by command mkdir gitproj  
change directory to gitproj

**\*\* Commands To Execute In Visual Studio Code Terminal:**

- For Pushing First File:

1. git --version

(create repository on github on github.com @top\_right corner or click new tap or click on '+' icon)

give name and discription to repository scroll down and click create repository

come back in VScode and create a file under gitproj as "file.txt"

name: jyoti

address: nashik

description: this is first git demo file

save the file

2. git init (initialise the git on local machine)

3. git add . (adding file to local machine ,here specify name of file you want to add or . for all files in gitproj)

4. git status (for checking status of file)

5. git remote add origin "link of your github repository" (go on github and hit http tab and copy link and paste)

6. git commit -m "first commit" ( again type git status for commit)

7. If Prompted to authenticate the user, execute following commands:

7.1 git config --global user.email "your git hub email id"

7.2 git config --global user.name "Your git hub user name"

8. `git push -u origin master` (master is the branch on which you want to push the code)refresh the github site and look for file

9. `git status`

Now, check your github repository (refresh the page) whether the file is pushed or not.

- For Pushing Second File:

1. `git add .`

2. `git status`

3. `git commit -m "second commit"`

4. `git push -u origin master`

5. `git status`

Now, check your github repository (refresh the page) whether the file is pushed or not.

\*\* Some Basic Questions That Can Be Asked:

1. What is Github?

2. What is use of Github?

3. What is use of `git init`, `git status`, `git add .`, `git commit`, `git push` commands?

4. Explain the steps to push your code to Github from Visual Studio Code terminal?.