**Version Control**

* Install Git
* Create Account in Github
* Push the files from Local to remote Repository

User name and Email Id

Move the code from Local to Remote

* + **git init**
  + **git add README.md**
  + **git commit -m "first commit"**
  + **git branch -M main**
  + **git remote add origin https://github.com/Raghugithub9/Sample10Oct.git**
  + **git push -u origin main**

Copy code from Remote to Local🡪Clone

* Git clone **https://github.com/Raghugithub9/Sample10Oct.git**
* Create Branch
* Move the files to Branch
* Raise Pull Request
* Update Review comments or Merge with Master/Main

Git status 🡪current status

Git branch 🡪Which branch currently ON

Git checkout –b <branchname> 🡪If branch name is not available, it will create and focus else it will just focus.

**Commands to add files into Branch**

* Git checkout –b <branchname>
* Git add . (for single name just mention filename and if for all files, just mention .)
* git config --global user.email “[you@example.com](mailto:you@example.com)”
* git config --global user.name "Your Name"
* Git commit –m “comment”
* git push --set-upstream origin <branchname>

To move code from branch to Master/Main

* Raise Pull request in github.com

**Jenkins**

Installation

Option 1:

* Navigate to <https://www.jenkins.io/download/>
* Download Generic Java Package war file
* Copy the file on your C drive
* Navigate to Jenkins folder through cmd
* 🡺java –jar jenkins.war
* Open Browser and enter as localhost:8080

Option 2:

* Navigate to <https://www.jenkins.io/download/>
* Click on OS as per your Machine
* Double click on downloaded msi file and click next to install
* After installation, search as services and then search as jenkins
* Right click on Jenkins under Services and click Start
* Open Browser and enter as localhost:8080