# GIT and GIT Hub

1. **What is Git?**

It is a Version control tool built by Linus Torvalds. It is a command line interface(CLI).

1. **What does it do?**

Git helps in managing the versions of Code and helps in restoring the older versions and vice versa.

1. **. git what does it do?**

It maintains the DB of the committed version of the code.

Example: Lets create a folder followed by a file in it.

1. Let us write a line of code 🡪 Save 🡪 Close
2. Let us add 2nd line of code in the same file 🡪 save 🡪 close
3. Followed by 3rd line of code 🡪 save 🡪 close
4. Now let us delete the 2nd line of code 🡪 save 🡪 close
5. Open 🡪 4th line add 🡪 Save 🡪 close

Now if we wanted to restore the code to 3rd commit, Git can make it happen it will also store the restored point as a new check point.

**How to install Git**: <https://www.digitalocean.com/community/tutorials/how-to-install-git-on-centos-7>

**Additional tools developed by other developers**: Windows GUI client, Linux GUI client

**What if you want to maintain a central repository**: Here comes the Git Hub.

**Git Hub**: An online repository which stores your code in a remote server

1. **How to make a folder in your system a Git repository**

Navigate to the folder and enter **git init**

1. **What is Track, Commit, Push**

**Track:** By default, git will not track any files unless u ask git to track it and you do that by using git add.

**Commit:** Commit will help you save changes by adding message to the changes made.

**Push:** Push will help you to push the committed to changes to the git hub repository which you have selected.

**Git Commands:** <https://confluence.atlassian.com/bitbucketserver/basic-git-commands-776639767.html>

Branch and pull

Maven and its build process