- **Git:** Git is a distributed version control system for tracking changes in any set of files, originally designed for coordinating work among programmers cooperating source code during software development.
- Git is maintained by Microsoft.
- Git has:
    i. Version Control.
    ii. CI (Continuous Integration).
- Git bash can execute the Unix commands also.
- Git v/s GihHub:
    - Git is standalone application (i.e. on local machine)
    - Github is used to provide git as a service (Eg: bigbucket, gitlab, azure devops git)

Working with Git Commands:

1. Check version: git --version
2. Create Clone from github to git:
   git clone https://github.com/sumitvyas786/Personal.git
3. Then go to folder created and run git cmd/shell at the same location.
4. Add to version/Git: **git add –A**
5. Committing changes with a commit message:
   git commit –m "Your Message"
   (message is to differentiate our commits)
6. Push changes from local to server: **git push**
7. Pull changes from server to local: **git pull**
8. Get the status: **git status**
9. Switching branch: **git checkout Branch_name**
   (don't forget to pull it)

- Production ready means if code is in main branch.
- Code ready (review) >> Pull request.
- Different branches can be created.
- Branch is merged by **Pull Request** to reviewer.
- Reviewer in turn can review the code, add comments and merge it to main.

- Git push main