1. Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.
2. Version control systems are software tools that help software teams manage changes to source code over time. As development environments have accelerated, version control systems help software teams work faster and smarter
3. GitHub is a for-profit company that offers a cloud-based Git repository hosting service. Essentially, it makes it a lot easier for individuals and teams to use Git for version control and collaboration.
4. Bitbucket · GitHub · GitLab · Perforce · Beanstalk · Amazon AWS CodeCommit · Codebase
5. **The types of VCS are:**

* Local Version Control System.
* Centralized Version Control System.
* Distributed Version Control System.

6 . One of the biggest advantages of Git is its branching capabilities. Unlike centralized version control systems, Git branches are cheap and easy to merge. This facilitates the feature branch workflow popular with many Git users. Feature branches provide an isolated environment for every change to your codebase.

7. A GIT repository allows performing various operations on it to create different versions of a project

1. Initializing a new repository: git init