**GIT Tutorial**

**"Global information tracker"** is a distributed version that allows developers to track and manage changes to the files, usually in the source code.

**Key features of Git :**

* **Version control :** Git allows developers to track history of changes to files, making it easy to revert previous versions, compare changes and collaborate on a project.
* **Distributed system :** Every user has a copy of entire repository, including its history. This allows developers to work offline also.
* **Branching and Merging :** One of the Git’s most powerful feature. Its has a ability to create branches. Developers can create branching to work on new features or bug free without affecting the main codebase. Once work is done it can be merged back into the main branch.

**Types of version control system :**

1. CVCS : Centralized version control system.
2. DVCS : Distributed version control system. – Git

Older version of git is svn.

**Disadvantages of svn :**

1. Servers can be access by anyone so anyone can easily copy the code.
2. If servers is destroid everything will be lost.

**Cloning :** We can bring our code from remote (server – github ) to local servers (local mechine – laptops) . It is nothing but copy of original one.