VERSION CONTROL

-> Version control is the management of changes to document computer programs,large web sites and other collection of information.

->these changes are termed as version control.

->use of version control:

->collabartion(combined Tasks)

->we can control versions

->version control provides backup.

->version control provides report in a esay way.

VERSION CONTROL TOOLS:

-> git

->mercurial

->cvs

->SVN

GIT AND GITHUB

-> devlopers make changes in local copy and push thier code into github and they update thier files through latest version through pull.

->Git is a Distributed Version Control tool that supports distributed non linear workflow by providing data assurance for devloping quality software.

FEATURE OF GIT:

->DISTRIBUTED

->COMPATIBLE

->NONLINEAR : IT CREATES A TREE GRAPH

->BRANCHING; :MASTER BRANCH CONTAINS PRODUCTION QUALITY CODE.

->LIGHTWEIGHT :uses losses compression technique to compress data

->SPEED

->OPEN SOURCE

->RELIABLE

->SECURE :use SHA1 to name and identify objects

->ECONOMIC :

REPOSITORIES:

A directory or storage space where your projects can live.It can be local to a floder on your computer or it can be a storage space on github or anthor online host.We can keep code files,image files,you name it inside a repository.

There are two repositories:

1. Central Repository

2.Local Repository