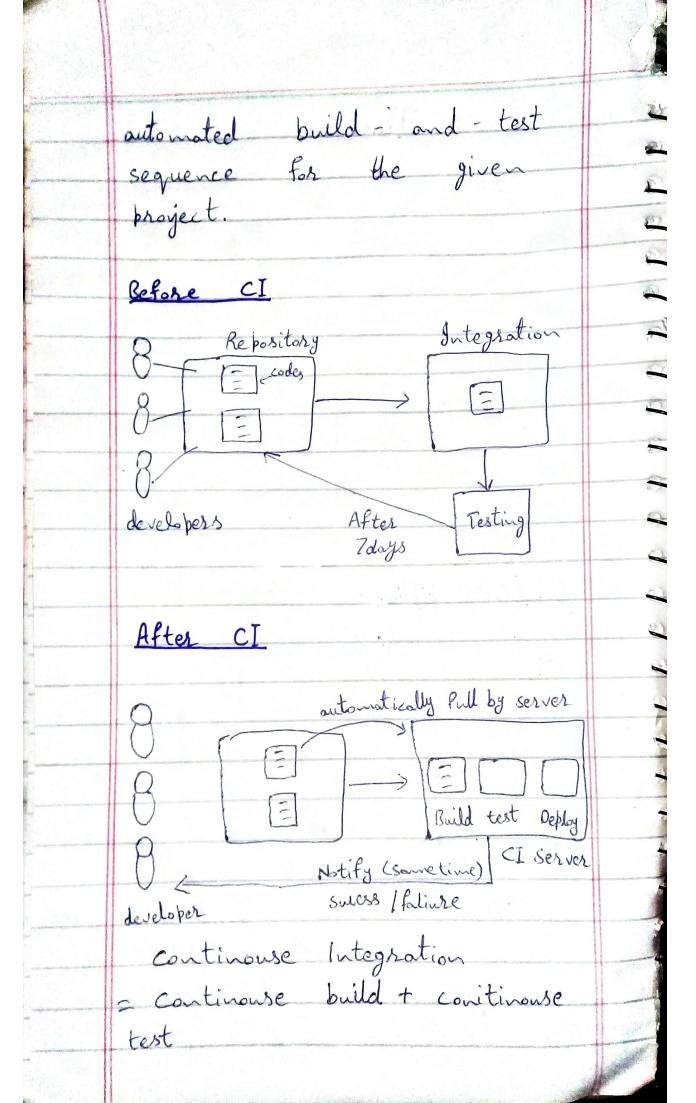
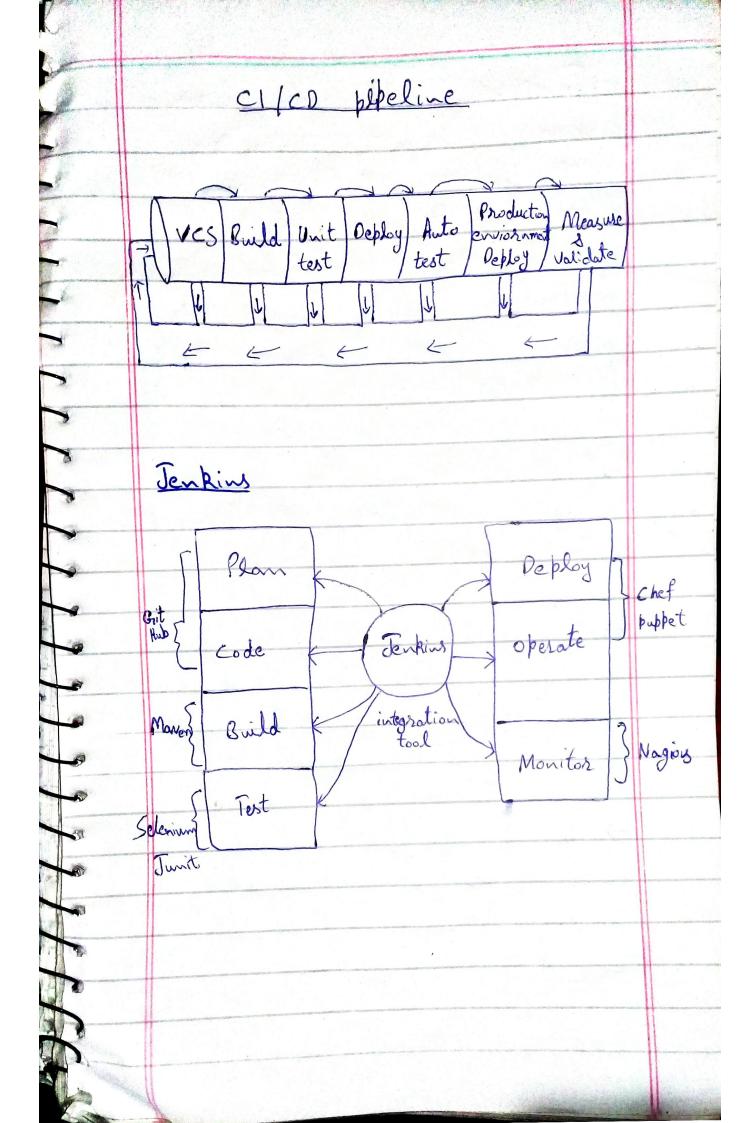
## Jenkins

Jenkins is an open Source project that runs on windows, MacOS and other Unix like operating system. It is free and community supported. To use Jenkeins, we have to know the concept of CI/CO pipline. CI/CD pipline: short for continouse Integration, is a software development practice in which all developer werge code code changes in a central repository multiple With CI, each changes in code triggered





→ Tenkins is an open Source project written in jar that runs on windows operating. System. It is free community supported and night be your first choice tool → Jenkins automate the entire software development life yele. -> Jenkins was " originally developed by Sun Microsystem in 2004 under the name hudson. - The project was later bought named Jenkins when oracle bought Microsystem.

+It can run on any major platform without any compatibility issues - Whenever developer write code, we integrate all that code of all developers at that point of time we build, test and deliver/deploy to the client. This process called CI/CD. -> Because, of CI, Now bugs will be reported fast So, the entire Software development happens fast.

## Workflow of Jenkins → We can attach git, Maven, Selenium and Artifactory plugin to jenkins. > Once developers puts code in github, jenkins bull that code & send to Maren for build. -) Once build is done, jenkins pull that code and send to Selenium for testing. -> Once testing is done, then jenkins will pull that code and send to artifactory as per requirement and so on. -> We can also deploy with

jenkins. Jenkins Build Grithub > Sdenium Test Developer TOAL -> Delivery Advantages of Jenkins: -) It has alot of plugin available. -> You can write your own plugins - Jenkins is not a tool. It is a frame-0 work ie. you can do whatever you want. - It can create label.