* What is continuous integration process?
* In a team of software development there are various teams like Dev team, Devops team, Testing team.
* Developers will develop the codes, tester will test the build and Devops will facilitate the build in the form of .exe file.
* Devops team will create the builds automatically using build tools. E.g. Maven is a build tool. It is used to create the build.
* Developers will develop the codes and keep it in a repository. From there Devops will create a build.
* Likewise QA team will also write their automation scripts an keep them in a repository.
* Devops will pick the automation codes to their environment and run it using Jenkins. Sanity and Smoke test cases they will run.
* Once Automation smoke/sanity gets passed, mail will be triggered to the configured contacts. It’s Jenkins functionality.
* QA will always download the build from Jenkins itself.
* Once Dev/QA members are done with coding for the day, they will keep the codes in repository. Throughout night Devops will create builds and mails if the build is success/failure. Next day morning we can download the builds and test/develop them again. It’s a continuous process. It is known as Continuous Integration Process.
* Jenkins will be installed in Devops environment.
* This Repository concept is a maintenance part.
* Git and GitHub
* Git is a local repository and github is a remote repository.
* Git we have to install in our local system.
* Codes are saved in local inside Workspace folder.
* Once any changes done in local, we have to commit those changes in git.