Git

-- It is a distributed version control system

-- It plays a crucial role for framework

-- It can be distributed across the peers, it can be easily tracked and is a common repository

-- We can use Git as well as SVN

-- But from last year everybody is using Git over SVN

-- It has many advantages than SVN

-- Project/framework can't run withould SVN or Git

-- Any Automation tool requires version control (Git or SVN)

-- In order to host the repository Github is required

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Go to Google ---> search with git

Go to Git-Downloads-Git SCM

URL: https://git-scm.com/downloads

Downloads-- Windows

Downloading starts with Git-2.25.11-64-bit.exe

Do Next-Next-......Finish

2. Go to Google ---> search with github

https://github.com

Need to Signup

Username: sshahabuddin-stack

Password: ehanXXbad

3. Go to https://github.com

Click on Create repository

Next Page-- Create a new repository

Give Repository name\* -- E.g. GitDemo

Click on Create Repository

There are user friendly UI tools avaiable

Tortoise Git

Eclipse - Plugin

Intellij

-- Every one might be using different tools in the different project

-- Hence always can be done by cmd prompt

Run - cmd

C:\Users\rahul>git config --global user.name "sshahabuddin-stack"

C:\Users\rahul>git config --global user.email "s\_shahabuddin@yahoo.com"

C:\Users\rahul>cd Gitstuff

C:\Users\rahul\Gitstuff>git init

first we need to save all our local repo to Staging

C:\Users\rahul\Gitstuff>git add \* // add means add your files to Staging; \* means everything

Hit enter

Enter code will be saved in Staging

C:\Users\rahul\Gitstuff>git commit -m "first commit" // commit to commit the code -m for message

C:\Users\rahul\Gitstuff>git remote add origin https://github.com/sshahabuddin-stack/GitDemo.git

C:\Users\rahul\Gitstuff>git push origin master

In real time we need to ask for git origin Remote URL in the company , as it will companyname.com instead of github.com

This is for the first time to create a fresh repository but in company the repository will already be existing.

Clone- is to extract from the repository for the first time

-- From next time onwards we will use git pull command

C:\Users\rahul\Gitstuff>cd..

C:\Users\rahul\git clone (copy the url from clone or download)

There will a new folder created in C:\Users\rahul\ --> GitDemo

C:\Users\rahul>cd gitx

C:\Users\rahul\GitX>git checkout develop

C:\Users\rahul\GitX>git checkout -b develop

Go get Git commands

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https://confluence.atlassian.com/bitbucketserver/basic-git-commands-776639767.html

There is no seperate Selenium Git or Api Git - it's a common repository

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X - Writes some code and creates testcases "A" - EST // 2nd component (5-10) -- GITHUB

X1B

X2B

X3A

Y - IST -- "A" - // 1-5 lines (first component)

All the latest saved code will be saved in Github

It will merge all the codes done by the other users in one repository

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You have a code // 100 files - 80 files

Initialize it as Git repository - git init

1st level of commit - Stash ; 2nd level of Commit - Commit

GITHUB - will look for the files in Commit which are committed

And Commit looks into the file/folder of Stash which needs to be committed at first place

Stash -- to --- Commit --- GITHUB