IDE

GIT BASH

GIT UI

Work with Branches in GITHUB

What is a branch in GITHUB ?

Why do we need branches in repositories ?

How to create branches in the Git repository ?

How to merge branches in GIT repository ?

What is a pull request ?

How to resolve conflicts in the code?

What is a branch in GITHUB?

When we create a GIT repository by default it will provide master branch

Branches are nothing but code bases

We can create several branches in GIT repository

Generally in git repository we will create branches like below

Master (default) : is a default branch

develop

Feature

QA

UAT

Release

On going develop team , production support team, bug fix team , R&D team

On going dev team – work on new requirements

Bug fix – SIT and UAT bug’s will be fixed

Production support : fix the problem in production (Maintenance and operation team )

Release 7.3 – Dec Release

Release 7.2 Aug Release

Release 7.1 May Release

Release branch for production branch

QA branch – Bug fixing code

Develop – Ongoing dev team

Release - Prod release

Branches are used to maintain separate code :

Login into Git Repository

Create develop branch from master branch

Clone developer branch code

**Note : If we execute git clone <repo-url> it clones master branch code by default**

**→ If we want to clone specific branch code then we should execute below command**

**git clone -b <branch-name> <repo-url>**

**git branch**

Which branch user is using will be displayed

What ever code committed by user1 will not impact other user2 code