**Git Commands**

* **git clone:** it initiates the git as well as copy the remote repository (master branch) in local repository.
* **Git clone --single-branch --branch <branch\_name> remote\_Url :** It only clones the provide branch not others one.
* **Git clone -b** **<branch\_name> remote\_Url:** It clones all branches in local and checkout in the <branch\_name> branch.
* **Git clone URL . :** This will clone the project without creating a folder with project name.
* **Git init:** it initiate the git inn local directory (creates .git folder).
* **Git add:** it is used to put files in staging area (step before commit).
* **Git status:** it shows the tracked (files in staging area) and untracked (files not in staging area) file in repository.
* **Git commit:** it saves the files in the staging area in local git repository. (commonly used: **git commit -m ‘message’**)
* **Git rm:** used to remove or delete a file
* **Git branch:** to check all the branches in repository and which branch is selected.
* **Git branch <name of the branch>:** creates a new branch
* **Git push:** it pushes or send the files in remote repository from local repository. (**git push origin master**)
* **Git pull:** it get the files from remote repository to local repository (it perform fetch and merge operation simultaneously). (**git pull origin master**)
* **Git fetch:** It brings the changes from remote to local system but does not merge or implements in local repo. It just tells the no. of changes made in remote repo.
* **Git merge <branch\_name>:** it merges the changes from an another branch (in this case branch\_name) to current active branch.
* **Git remote:**  tells all the remote location
* **Git checkout <branch\_name>:** it is used switch b/w branches
  + **Git checkout -b <branch name>:** creates a branch and switch to that branch at same time
* **Touch <file name>:** creates a file
* **Git diff:** gives the diff b/w merged files
* **Git log:** it shows the history of commits.
* **Git revert:** it undo the last commit.

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| **Commands** | **Description** |
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| **Git clone -b <branch\_name> remote\_Url:** | It clones all branches in local and checkout in the <branch\_name> branch. |
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| **Git status:** | it shows the tracked (files in staging area) and untracked (files not in staging area) file in repository. |
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| **Git rm:** | used to remove or delete a file |
| **Git branch:** | to check all the branches in repository and which branch is selected. |
| **Git branch <name of the branch>:** | creates a new branch |
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| **Git merge <branch\_name>:** | it merges the changes from an another branch (in this case branch\_name) to current active branch. |
| **Git remote:** | tells all the remote location. |
| **Git checkout <branch\_name>:** | it is used switch b/w branches |
| **Git checkout -b <branch name>:** | creates a branch and switch to that branch at same time |
| **Git diff:** | gives the diff b/w merged files |

git push --set-upstream https://github.com/sanjeetjha96/spring3hibernate.git branch\_name

git remote set-url origin <https://github.com/sanjeetjha96/spring3hibernate.git>

git remote -v

git config --global user.email "[sanjeetjha96@gmail.com](mailto:sanjeetjha96@gmail.com)"

git config --global user.name "sanjeet”

git remote rm upstream

git remote add origin <https://github.com/sanjeetjha96/spring3hibernate.git>

git pull origin feature001 –allow-unrelated-histories

git config –list

git config user.name

git clean -n

Git merge is a command that allows you to merge branches from Git. Git rebase is a command that allows developers to integrate changes from one branch to another.