9. Working with Git commands which are being covered in this Experiment

* **git config**
* **git init**
* **git clone**
* **git add**
* **git commit**
* **git diff**
* **git reset**
* **git status**
* **git rm**
* **git log**
* **git show**
* **git tag**
* **git branch**
* **git checkout**
* **git merge**
* **git remote**
* **git push**
* **git pull**
* **git stash**

**Git Commands**

**git config**

Usage: git config –global user.name “[name]”

Usage: git config –global user.email “[email address]”

This command sets the author name and email address respectively to be used with your commits.

Git Config Command - Git Commands - Edureka

**git init**

Usage: git init [repository name]

This command is used to start a new repository.

GitInit Command - Git Commands - Edureka

**git clone**

Usage: git clone [url]

This command is used to obtain a repository from an existing URL.



**git add**

Usage: git add [file]

This command adds a file to the staging area.

Git Add Command - Git Commands - Edureka

Usage: git add \*

This command adds one or more to the staging area.

Git Add Command - Git Commands - Edureka

**git commit**

Usage: git commit -m “[ Type in the commit message]”

This command records or snapshots the file permanently in the version history.



Usage: git commit -a

This command commits any files you’ve added with the git add command and also commits any files you’ve changed since then.

Git Commit Command - Git Commands - Edureka

**git diff**

Usage: git diff

This command shows the file differences which are not yet staged.



 Usage: git diff –staged

This command shows the differences between the files in the staging area and the latest version present.



Usage: git diff [first branch] [second branch]

This command shows the differences between the two branches mentioned.



**git reset**

Usage: git reset [file]

This command unstages the file, but it preserves the file contents.



Usage: git reset [commit]

This command undoes all the commits after the specified commit and preserves the changes locally.

Git Reset Command - Git Commands - Edureka

Usage: git reset –hard [commit]  This command discards all history and goes back to the specified commit.

Git Reset Command - Git Commands - Edureka

**git status**

Usage: git status

This command lists all the files that have to be committed.



**git rm**

Usage: git rm [file]

This command deletes the file from your working directory and stages the deletion.

Git Rm Command - Git Commands - Edureka

**git log**

Usage: git log

This command is used to list the version history for the current branch.



Usage: git log –follow[file]

This command lists version history for a file, including the renaming of files also.



**git show**

Usage: git show [commit]

This command shows the metadata and content changes of the specified commit.



**git tag**

Usage: git tag [commitID]

This command is used to give tags to the specified commit.



**git branch**

Usage: git branch

This command lists all the local branches in the current repository.

Git Branch Command - Git Commands - Edureka

Usage: git branch [branch name]

This command creates a new branch.

Git Branch Command - Git Commands - Edureka

Usage: git branch -d [branch name]

This command deletes the feature branch.

Git Branch Command - Git Commands - Edureka

**git checkout**

Usage: git checkout [branch name]

This command is used to switch from one branch to another.

Git Checkout Command - Git Commands - Edureka

Usage: git checkout -b [branch name]

This command creates a new branch and also switches to it.

Git Checkout Command - Git Commands - Edureka

**git merge**

Usage: git merge [branch name]

This command merges the specified branch’s history into the current branch.

Git Merge Command - Git Commands - Edureka

**git remote**

Usage: git remote add [variable name] [Remote Server Link]

This command is used to connect your local repository to the remote server.

Git Remote Command - Git Commands - Edureka

**git push**

Usage: git push [variable name] master

This command sends the committed changes of master branch to your remote repository.



Usage: git push [variable name] [branch]

This command sends the branch commits to your remote repository.



Usage: git push –all [variable name]

This command pushes all branches to your remote repository.



Usage: git push [variable name] :[branch name]

This command deletes a branch on your remote repository.



**git pull**

Usage: git pull [Repository Link]

This command fetches and merges changes on the remote server to your working directory.



**git stash**

Usage: git stash save

This command temporarily stores all the modified tracked files.

Git Stash Command - Git Commands - Edureka

Usage: git stash pop

This command restores the most recently stashed files.



Usage: git stash list

This command lists all stashed changesets.

Git Stash Command - Git Commands - Edureka

Usage: git stash drop

This command discards the most recently stashed changeset.

Git Stash Command - Git Commands - Edureka

Want to learn more about git commands? Here is a [Git Tutorial](https://www.edureka.co/blog/git-tutorial/) to get you started