GIT BASICS

echo "# repo_name" >> README.md

- Create basic markdown file with large heading.

git init

- Create empty Git repo in specified directory. Run with no arguments to initialize the current directory as a git repository.

git add .

- Stage all changes for the next commit. Replace . with a <file> to change a specific file.

git commit -m "<message>"

- Commit the staged snapshot with commit message.

git remote add origin https://github.com/user-name/repo-name.git

- Create a new connection to a remote repo.

git push -u origin master

- Push local branch to remote master repo.

git config --global user.name "username"

- Define author name to be used for all commits in current repo. Devs commonly use --global flag to set config options for current user.

git config --global user.email "email_id@example.com"

- Define author email to be used for all commits in current repo. Devs commonly use --global flag to set config options for current user.

git pull

- Fetch the specified remote's copy of current branch and immediately merge it into the local copy.

git diff

- Show unstaged changes between your index and working directory.

git status

- List which files are staged, unstaged, and untracked.

git log

- Display the entire commit history using the default format. For customization see additional options.

GIT BRANCHES

git branch BranchName

- Create a new branch named BranchName without checkout.

git checkout -b localBranchName

- Create and check out a new branch named localBranchName.

git checkout BranchName

- checkout an existing branch.

git push --set-upstream origin localBranchName

- Push local branch to remote repository.

git fetch

- Fetch all of the branches from the repository.

git branch -d localBranchName

- Delete a branch named localBranchName locally.

git push origin --delete remoteBranchName

- Delete a branch named remoteBranchName from remote repository.

git branch -m OLD-BRANCH-NAME NEW-BRANCH-NAME

- Rename branch name.

git diff FIRST-BRANCH..SECOND-BRANCH

- Compare two branches.

git branch -a

- check all available branches.