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| --- | --- |
| function | commands |
| **Setting up git Repository** | |
| Initialize a new git repository in the current directory | git init |
| **Creating and commiting changes** | |
| Shows status and untracked files | git status |
| Stages the changes of text file for commit | git add example.txt |
| Stages the changes with descriptive message | git commit -m ”content” |
| **Exploring History** | |
| Display the difference between the working directory and last commit | git diff |
| Displays chronological history of commits | git log |
| **Branching and Merging** | |
| Create new branch feature and switch to it | git checkout -b feature  git branch feature |
| Switch back to master branch | git checkout master  git checkout feature |
| Merge changes from feature branch into master branch | git merge feature |
| **Collaborating to remote repositories** | |
| Link your local repository with remote repository | git remote add origin <repositoryurl> |
| Push your local commit to the remote repository | git push origin master |
| **Cloning a repository** | |
| Clone the repository | git clone <repo\_url> |
| Navigate into clone repository | cd <repo\_name> |
| **Pushing changes to gitHub** | |
| Add repo url in a variable | git remote add origin <repo\_name> |
| Push feature branch to git hub | git push origin feature |
| **Syncing Changes** | |
| Pull request is merged update your local repository | git checkout main. git pull origin main |

git branch --show-current

git init

git clone git clone https://sanskrutipasalkar10@bitbucket.org/sanskrutipasalkar/myfirstrepo.git

cd myfirstrepo

echo "i am sanskruti">README.md

git add README.md

git commit -m "i am san"

git push origin feature/git push origin main

git checkout -b feature-branch

echo "hi">feature.txt

git add feature.txt

git commit -m " i love myself"

git push origin feature-branch

git checkout main

git pull origin main

git log --oneline --reverse