

# GIT BASIC COMMAND

**Git init** - to initialize the repository

**Git status** - to check the status of the repository

**Git add .** or **Git add <filename>** - to add the repository to stage level

**Git commit -m 'message'** - to commit the repository to the version control system like github / bitbucket

**Git log** - to track all the changes made in the repository or files

**Git config --global** - to change the config file all the repositories

To change the name and the email

Git config --global user.name '<your name>'

Git config --global user.email '<you email>'

**Git diff <filename>** - to see the changes in the file

**Git diff --staged <filename>** - to see the changes in the stages level

Go to the last commit and unstaged the file

**Git reset <filename>** and the type **git checkout <filename>** and you will see all the previous changes

**Git clone <link of ssh link>** - to clone the repository in a git way

# GIT BRANCHING

**Git branch** - to check all the branches that are available

**Git branch <branch name>** - to add new branch to a repositories

**Git checkout <branch name>** - to go to the particular branch

**Git branch -d <branch name>** - to delete the branch form your local system

**Git push origin --delete <branch name>** - to delete the branch from the remote location that is github or bitbucket

**Git merge <branch that you want to merge>** - suppose you have two branches one is master and one is the dev branch.

So suppose if you want to merge the dev branch in the master branch then you have to checkout to the master branch and type **git merge dev**

## create a new repository on the command line

```
echo "# Javascript" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/Afsaan/Javascript.git
git push -u origin master
```

## push an existing repository from the command line

```
git remote add origin https://github.com/Afsaan/Javascript.git
git push -u origin master
```

To Add ssh key please follow the below link

<https://help.github.com/en/github/authenticating-to-github/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>

“fatal: refusing to merge unrelated histories” - **git pull origin master**  
**--allow-unrelated-histories**