

Git Branching basics

1. What are branches
2. How to create a branch
3. How to checkout a branch
4. How to merge branch to master
5. How to delete a branch (local and remote)

Step 1. Create Branch

`git branch <branch name> or git checkout -b <branch name>`

step 2. Checkout branch

`git checkout <branch name>`

step 3. Merge new branch in master branch

`git merge <new branch name>`

step 4. Deleting the branch

`git branch -d <branch name> --- This will only remove from local`

`git push origin --delete <branch name> --- This will remove from remote server repository.`

Step 5. How to push local branch to server

`git push origin <New Branch>`

Branches a way to create a brand new working directory staging area or a project history or new commits recorded in the history

```
Home@welcome MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$ git log --oneline
caf350c committed
1d105c7 message
db7c41e test
c7e12f8 test
1a4da2a first commit
c7e6c60 Initial commit

Home@welcome MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$
```

You are in master branch now

```

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$ git branch
* master

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$ git branch newbranch

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$ git branch demobranh

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$ git branch
demobranh
* master
newbranch

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (master)
$ git checkout demobranh
Switched to branch 'demobranh'

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (demobranh)
$

```

```

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (demobranh)
$ git log --oneline
caf350c committed
1d105c7 message
db7c41e test
c7e12f8 test
1a4da2a first commit
c7e6c60 Initial commit

Home@We1come MINGW64 /c/gitbranches/githubdemo/firstrepo (demobranh)
$

```

Real world branching scenario

