

## Week-1 Assignment

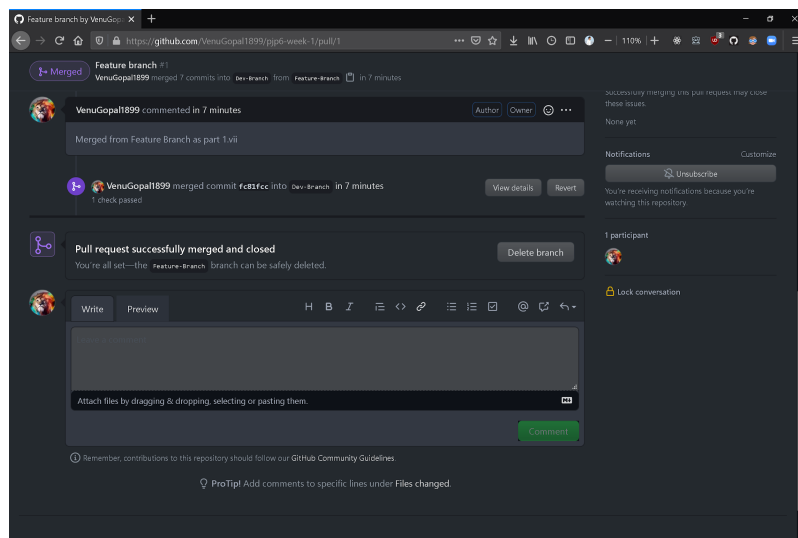
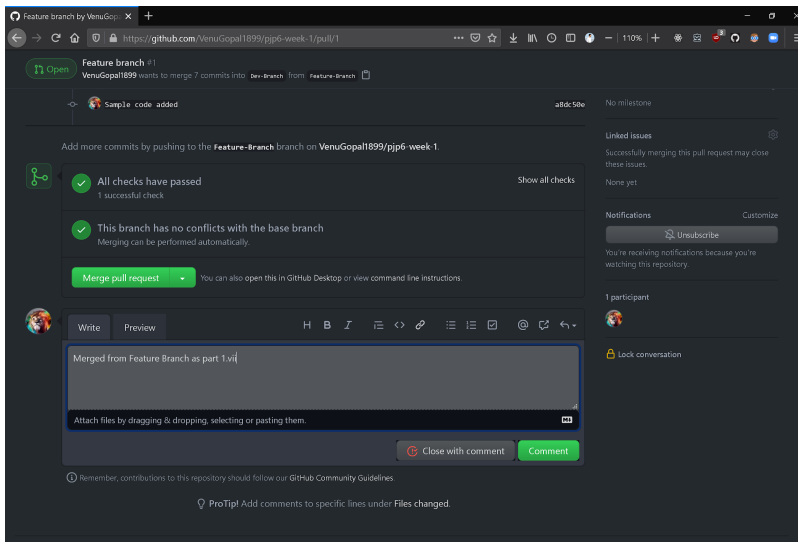
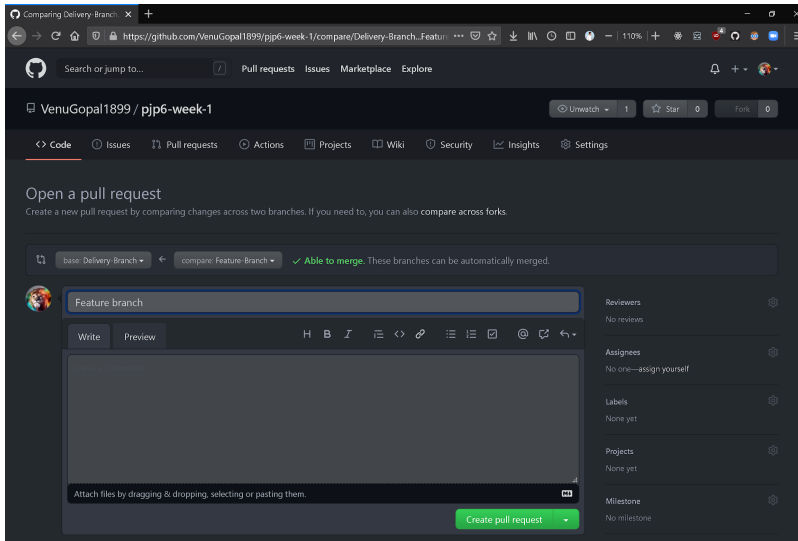
Name : M Venu Gopal

Github Repo : [PJP6-Week-1](#)

### 1. Git-hub:

#### a. Basic usage using CLI

- i. `git init local-repository`  
`git add .`  
`git status`  
`git commit -m "Local Repo Created"`  
`git remote add origin https://github.com/user/repo.git`
- ii. [Created a remote repository](#)
- iii. `git branch Feature-Branch master`  
`git branch Dev-Branch master`  
`git branch QA-Branch master`  
`git branch Production-Branch master`  
`git branch Delivery-Branch master`  
`git push origin --all`
- iv. Created remote branches [Remote-Branch-1](#), [Remote-Branch-2](#)
- v. Changes have been done locally
- vi. `git add .`  
`git status`  
`git commit -m "1.vi Pushed to Feature-Branch"`  
`git push origin Feature-Branch`  
[Feature-Branch](#)
- vii. Code from Feature-Branch has been merged into [Dev-Branch](#) via pull request



- viii. Changes have been made in Remote Repository([Feature-Branch](#)) and they have been pulled to Local Feature-Branch Repository.

```
/*
```

```
We want to pull latest code in Dev-Branch (Remote)
from previous question along with current changes in
Feature-Branch, into our local branch.
```

```
As a result, our local repository will have updated or
most recent code from our remote repository.
```

```
Note : Changes made in the Java Program in
Feature-Branch won't be reflected in the Dev-Branch as
changes have been made after merging them.
```

```
*/
```

```
git fetch origin
```

```
git merge origin/Dev-Branch
```

```
git merge origin/Feature-Branch
```

- ix. Checkout Vs Pull

- Git pull command, contacts the remote repository and checks for updates (if any) and necessary changes in our local repository, and keeps us updated.
  - Git pull -> Looks at Remote Repository
- Whereas, Git checkout command doesn't approach remote repositories. It only creates a new branch from our origin, and kinda copies the code from origin/<branch> to newly created branch.
  - Git checkout -> Looks at Local Repository

- x. Java Code has been updated by Person-1 and Person-2 and merge conflicts have been handled on my system.

- xi. Finally, code is in sync, with latest changes across all branches i.e., Production, QA, Dev and Feature. [pjp6-week-1](#)

