#### DEVOPS- 21CS62

**A2**. Demonstrate to create a project in remote repository and apply fork, merge, diff, merge conflict, branch and pull request concepts on repository using GitHub

Git fork command:

### Description

A fork in Git is simply a copy of an existing repository in which the new owner disconnects the codebase from previous committers.

Syntax : git clone <url>

URL of Repository: https://github.com/yashwanths814/DevOps.git

### Git **merge** command:

## Description

merge the specified branch's history into the current one

Syntax : git merge <branch\_name>

Example: git merge f1

#### Git diff command:

### Description

Show unstaged changes between your index and working directory.

Syntax : git diff <br/>branch\_name>

Example: git diff f1

#### Git branch command:

### Description

List all of the branches in your repo. Add a <bra> argument to create a new branch with the name <br/> branch>.

Syntax : git branch <br/> sbranch name>

Example: git branch f1

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## Git merge conflict demonstration:

# Description

When two branches are trying to merge, and both are edited at the same time and in the same file, git won't be able to identify which version is to be taken for changes.

## Create **pull request** demonstration:

## Description

A pull request is a request to merge changes from one branch into another branch in git repository.

# Example:

