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: git fork

Description

A fork is your own copy of someone's GitHub project. It lets you make changes safely and suggest improvements back to the original via pull requests.

Syntax:

URL of Repository: https://github.com/sumans-19/Diet-Planner

Git merge command:

Description

git merge is a command that combines changes from one branch into another. It integrates the histories, allowing you to bring updates from different lines of development together.

Syntax : git merge
 sranch-name>

Example: git merge feature

Git diff command:

Description

git diff shows the differences between files or commits in your repository.

Syntax: git diff <commit1> <commit2>

Example: git diff branch1 branch2

Git branch command:

DEVOPS-21CS62

Description

git branch lets you create, list, rename, or delete branches in your Git repository.

Syntax: git branch

Example: git branch -b vvce

Git merge conflict demonstration:

Description

A merge conflict occurs when Git is unable to automatically combine changes from different branches because the same part of a file was edited in conflicting ways. It requires manual intervention to resolve the differences before completing the merge.

```
O lab2.html > ⊘ html > ⊘ body.bg-gray-100.text-gray-800 > ⊘ header.bg-white.shadow-md.p-4.flex.justify-between.items-center.rounded-b-lg > ⊘?

chtml lang="en" >
chtml lang="en" chtml lang="en" }
chtml lang="en" chtml la
```

Create pull request demonstration:

DEVOPS-21CS62

Description

A pull request is a way to propose changes you made in your fork or branch to be merged into another repository or branch. It lets others review, discuss, and approve your changes before merging.

Example:

