**Git HOL-3**

* **Branching** → Creating a separate line of development in Git so you can work on new features or fixes without affecting the main code (usually master or main).
* **Merging** → Combining changes from one branch into another.
* **Creating a branch request in GitLab** → Making a “Merge Request” in GitLab so your changes in one branch can be reviewed before merging into the main branch.
* **Creating a merge request in GitLab** → Submitting your branch changes for review and approval before they’re merged into the target branch.

> git branch GitNewBranch

> git branch -a

> git checkout GitNewBranch

> echo "This file is of git branch new">>branch.txt

> git add branch.txt

> git commit -m "added new branch"

> git status

> git checkout master

> git diff master GitNewBranch

> git config --global diff.tool p4merge

> git config --global difftool.p4merge.path "C:/Program Files/Perforce/p4merge.exe"

> git config --global difftool.prompt false

> git difftool master GitNewBranch

> git merge GitNewBranch

> git add .

> git commit -m "merging"

> git log --oneline --graph --decorate

> git branch -d GitNewBranch

A screenshot of a computer

AI-generated content may be incorrect.

A computer screen shot of text

AI-generated content may be incorrect.