**Step 1: Setup Prerequisites**

**Description:**

* Git environment is installed and configured
* P4Merge is installed for visual comparison
* Local Git repository is connected to a GitLab remote repository

**Step 2: Branching**

**2.1 Create a New Branch**

git branch GitNewBranch

**2.2 List All Branches**

git branch -a

* The \* indicates the current branch.

**2.3 Switch to the New Branch**

git checkout GitNewBranch

**2.4 Add Files and Content**

echo "This is a new feature" > feature.txt

git add feature.txt

**2.5 Commit Changes**

git commit -m "Added feature.txt in GitNewBranch"

**2.6 Check Branch Status**

git status

**Step 3: Merging**

**3.1 Switch to Master**

git checkout master

**3.2 Check Differences in CLI**

git diff master GitNewBranch

**3.3 Check Differences in P4Merge**

git mergetool

**3.4 Merge the Branch into Master**

git merge GitNewBranch

**3.5 View Merge Log**

git log --oneline --graph --decorate

**3.6 Delete the Merged Branch**

git branch -d GitNewBranch

**3.7 Check Status After Merge**

git status

**Step 4: Creating a Branch Request in GitLab**

1. Push the branch to GitLab:

git push origin GitNewBranch

1. Go to GitLab → Project → Repository → Branches
2. Click **New Merge Request** from GitNewBranch to master.

**Step 5: Creating a Merge Request in GitLab**

* Fill in title and description for the merge request.
* Assign reviewers if required.
* Click **Create Merge Request**.
* Once approved, click **Merge**.