**Git Hands-on Lab Commands for Branching and Merging**

The following commands are used to perform the tasks outlined in the lab assignment for Git branching and merging.

**Step 1: Branching:**

1. **Create a new branch:** git branch GitNewBranch
2. **List branches:** git branch -a
3. **Switch branches and add a file:** git checkout GitNewBranch echo "Content for the new branch" > newfile.txt
4. **Commit changes:** git add newfile.txt git commit -m "Added a new file to GitNewBranch"
5. **Check status:** git status

**Step 2: Merging:**

1. **Switch to the master branch:** git checkout master
2. **View differences:** git diff master GitNewBranch git difftool master GitNewBranch
3. **Merge the branch:** git merge GitNewBranch
4. **Observe the log:** git log --oneline --graph --decorate
5. **Delete the branch:** git branch -d GitNewBranch
6. **Verify status:** git status