**Branching**

**1. Create a new branch “GitNewBranch”**

git branch GitNewBranch

**2. List all the local and remote branches available in the current trunk**

git branch -a

The \* symbol indicates the branch you are currently on.

**3. Switch to the newly created branch and add files with some contents**

git checkout GitNewBranch

echo "Sample content for GitNewBranch" > file1.txt

echo "Another content example" > file2.txt

**4. Commit the changes to the branch**

git add .

git commit -m "Added file1.txt and file2.txt to GitNewBranch"

**5. Check the status**

git status

**Merging**

**1. Switch to the master branch**

git checkout master

**2. List out all the differences between trunk and branch**

git diff master GitNewBranch

**3. List out all the visual differences between master and branch using P4Merge tool**

git mergetool --tool=p4merge

**4. Merge the source branch into the trunk**

git merge GitNewBranch

**5. Observe the logging after merging**

git log --oneline --graph --decorate

**6. Delete the branch after merging and observe status**

git branch -d GitNewBranch

git status