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**Branching**

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

git branch GitNewBranch

**2. List all the local and remote branches (observe \* for current branch)**

git branch -a

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

git checkout GitNewBranch

echo "This is file1 in GitNewBranch" > file1.txt

echo "This is file2 in GitNewBranch" > file2.txt

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

git add .

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

**5. Check the status**

git status

**Merging**

**1. Switch to the master**

git checkout master

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

git diff master GitNewBranch

**3. List all the visual differences using P4Merge**

git difftool master GitNewBranch

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

git merge GitNewBranch

**5. Observe the logging after merging**

git log --oneline --graph --decorate

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

git branch -d GitNewBranch

git status