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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`