# Branching

git branch GitNewBranch

git branch -a

# Output:

# \* master

# GitNewBranch

# remotes/origin/master

git checkout GitNewBranch

# Output:

# Switched to branch 'GitNewBranch'

echo "This is new branch content" > newfile.txt

git add newfile.txt

git commit -m "Add newfile.txt to GitNewBranch"

# Output:

# [GitNewBranch abc1234] Add newfile.txt to GitNewBranch

# 1 file changed, 1 insertion(+)

# create mode 100644 newfile.txt

git status

# Output:

# On branch GitNewBranch

# nothing to commit, working tree clean

# Merging

git checkout master

# Output:

# Switched to branch 'master'

# Your branch is up to date with 'origin/master'.

git diff GitNewBranch

# Output:

# diff --git a/newfile.txt b/newfile.txt

# new file mode 100644

# index 0000000..e69de29

# +This is new branch content

git merge GitNewBranch

# Output:

# Updating abc1234..def5678

# Fast-forward

# newfile.txt | 1 +

# 1 file changed, 1 insertion(+)

# create mode 100644 newfile.txt

git log --oneline --graph --decorate

# Output:

# \* abc1234 (HEAD -> master, origin/master) Add newfile.txt to GitNewBranch

# \* 4567890 Initial commit

git branch -d GitNewBranch

# Output:

# Deleted branch GitNewBranch (was abc1234).

git status

# Output:

# On branch master

# nothing to commit, working tree clean