**Branching and Merging:**

anush@Anushka MINGW64 ~/gitDemo (master)

$ git branch GitNewBranch

anush@Anushka MINGW64 ~/gitDemo (master)

$ git branch -a

\* master

GitNewBranch

anush@Anushka MINGW64 ~/gitDemo (master)

$ git checkout GitNewBranch

Switched to branch 'GitNewBranch'

anush@Anushka MINGW64 ~/gitDemo (GitNewBranch)

$ echo "This is a new branch file" > branchfile.txt

anush@Anushka MINGW64 ~/gitDemo (GitNewBranch)

$ git add branchfile.txt

anush@Anushka MINGW64 ~/gitDemo (GitNewBranch)

$ git commit -m "Add branchfile.txt in GitNewBranch"

[GitNewBranch abc1234] Add branchfile.txt in GitNewBranch

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

anush@Anushka MINGW64 ~/gitDemo (GitNewBranch)

$ git status

On branch GitNewBranch

nothing to commit, working tree clean

**MERGING:**

anush@Anushka MINGW64 ~/gitDemo (GitNewBranch)

$ git checkout master

Switched to branch 'master'

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

anush@Anushka MINGW64 ~/gitDemo (master)

$ git diff master GitNewBranch

# (Shows differences between master and GitNewBranch)

# Using P4Merge for visual comparison:

$ git mergetool

# (Opens P4Merge visual merge tool)

anush@Anushka MINGW64 ~/gitDemo (master)

$ git merge GitNewBranch

Updating 9a65ee5..abc1234

Fast-forward

branchfile.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

anush@Anushka MINGW64 ~/gitDemo (master)

$ git log --oneline --graph --decorate

\* abc1234 (HEAD -> master, GitNewBranch) Add branchfile.txt in GitNewBranch

\* 9a65ee5 Initial commit: add welcome.txt

anush@Anushka MINGW64 ~/gitDemo (master)

$ git branch -d GitNewBranch

Deleted branch GitNewBranch (was abc1234).

anush@Anushka MINGW64 ~/gitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

**OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect.