# Step 1: Initialize a Git repository

git init

# Step 2: Add all files to staging

git add .

# Step 3: Commit changes with a message

git commit -m "Initial commit"

# Step 4: Create a new branch called feature-login

git branch feature-login

# Step 5: Switch to the new branch

git checkout feature-login

# Make small change in app.js before running below commands

git add app.js

git commit -m "Added small change in app.js"

# Step 6: Switch back to main branch

git checkout main

# Step 7: Change style.css and commit

# (Make change in style.css before running below)

git add style.css

git commit -m "Updated style.css"

# Step 8: Merge feature-login into main

git merge feature-login

# Step 9: Handle merge conflicts (if any)

# (Fix conflicts manually in files, then run:)

git add .

git commit -m "Resolved merge conflicts"

# Step 10: View changes using git diff

git diff

# Step 11: Undo changes

# To unstage files

git reset HEAD <filename>

# To discard local changes

git checkout -- <filename>

# Step 12: Tag the latest commit as v1.0

git tag v1.0

# (Optional) Show tag list

git tag