Week 8 assignment 4

git status

# Create and switch to new branch

git checkout -b GitWork

# Create hello.xml file with content

echo '<?xml version="1.0" encoding="UTF-8"?>

<message>

<greeting>Hello from GitWork branch</greeting>

<author>Branch Developer</author>

</message>' > hello.xml

# Check current status

git status

# View the file content

cat hello.xml

# Add file to staging area

git add hello.xml

# Commit changes

git commit -m "Add hello.xml to GitWork branch"

git checkout master

# Create hello.xml with different content in master

echo '<?xml version="1.0" encoding="UTF-8"?>

<message>

<greeting>Hello from Master branch</greeting>

<author>Master Developer</author>

<timestamp>2025-08-10</timestamp>

</message>' > hello.xml

# Add and commit to master

git add hello.xml

git commit -m "Add hello.xml to master branch with different content"

git log --oneline --graph --decorate --all

# Compare the branches

git diff master..GitWork

# Or compare specific file

git diff master..GitWork -- hello.xml

git difftool master..GitWork

git merge GitWork

# Check status to see conflicted files

git status

# View the conflicted file

cat hello.xml

git mergetool

# Add the resolved file

git add hello.xml

# Commit the merge

git commit -m "Resolve merge conflict in hello.xml"

# Check current status

git status

git add .gitignore

git commit -m "Add .orig files to .gitignore"

# List all branches

git branch -a

# List with last commit info

git branch -v

# Delete the GitWork branch

git branch -d GitWork

# Verify deletion

git branch

git log --oneline --graph --decorate