



[d3c33hcgivew3.cloudfront.net/kUnNcQWRNWJzZ3EFpTVzw_89957609c27c45a985905dbecd8958f1_lab_conflict.
sh](https://d3c33hcgivew3.cloudfront.net/kUnNcQWRNWJzZ3EFpTVzw_89957609c27c45a985905dbecd8958f1_lab_conflict.sh)

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#!/bin/bash
#/* ***** Coursera/lab_conflict.sh ***** */
#/*
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# *
# */
#!/bin/bash

# initialize the repository and put our name and email in the .config file

echo -e "\n\n*****      CREATING THE REPOSITORY AND CONFIGURING IT\n\n"

rm -rf git-test ; mkdir git-test ; cd git-test
git init
git config user.name "A Smart Guy"
git config user.email "asmartguy@linux.com"

echo -e "\n\n*****      CREATING A COUPLE OF FILES AND ADDING THEM TO THE
PROJECT AND COMMITTING\n\n"

# create a couple of files and add them to the project, and then commit

echo file1 > file1
echo file2 > file2
git add file1 file2
git commit . -m "This is our first commit"

# create a new development branch

echo -e "\n\n*****      CREATING A NEW BRANCH, devel ***\n\n"

git branch devel

# checkout the new branch

echo -e "\n\n*****      CHECKOUT BRANCH devel ****\n\n"

git checkout devel

# modify a file and add a new one

echo another line >> file1
echo file3 >> file3

git add file1 file3

echo -e "\n\n*****      DIFFING\n\n"
git diff

echo -e "\n\n*****      RECOMMITTING\n\n"

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# now get it all in with another commit

git commit . -m "This is a commit in the devel branch"

# list files

echo -e "\n\nlist files, then git ls-files\n\n"

ls -l
git ls-files

# now checkout the original branch

echo -e "\n\n***** LIST BRANCHES AND CHECKOUT main **\n\n"

git branch
git checkout main

# list files

echo -e "\n\n***** list files, then git ls-files\n\n"

ls -l
git ls-files

echo -e "\n\n***** SHOW THE BRANCH\n\n"

git branch

# modify some stuff in the original branch to conflict with devel
echo -e "\n\n***** MODIFYING MAIN BRANCH AND COMMITTING\n\n"

echo different content >> file1

# add and recommit

git add file1
git commit -m"a remodification"

git diff main devel

# try to do a merge

echo "\n\n***** TRYING TO DO A MERGE \n\n"

git merge devel

echo "\n\n***** THE MERGE FAILED ****\n\n"
echo "\n\n***** FIX file1 and then add and commit\n"
echo "\n\n***** IN another window, edit the file and type anything
here\n\n"
read something

git add file1
git commit -m"finally got it right"

git ls-files

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git diff
git branch
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