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#!/bin/bash
#/* ***** Coursera/lab_patches.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"

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

echo -e "\n\n*****      MAKING A NEW CLONE\n\n"

cd ..
git clone git-test git-newer

echo -e "\n\n*****      MAKING CHANGES TO THE REPOSITORY*\n\n"

cd git-newer

echo another line >> file2
echo a third file > file3

echo -e "\n\n*****      ADDING AND COMITTING THE CHANGES*\n\n"

git add file2 file3
git commit -m"modifcations from the new clone"

echo -e "\n\n*****      PRODUCING THE PATCH*\n\n"

git format-patch -1 -s
mv 00* ..

echo -e "\n\n*****      SEEING IF THE PATCH WORKED\n\n"

cd ..
cd git-test
git apply --check ../00*

echo -e "\n\n*****      NOW APPLY THE PATCH\n\n"
```

```
git am ../00*
```