Initialize Directory

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490 (master)
$ mkdir Lab1

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490 (master)
$ cd Lab1

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git init
Initialized empty Git repository in C:/Users/100560172/SOFE3490/Lab1/.git/
```

Create Student file

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ echo "Eric Tsim (100560172)" > Student

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ cat Student
Eric Tsim (100560172)
```

Add and commit Student

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git add Student
warning: LF will be replaced by CRLF in Student.
The file will have its original line endings in your working directory

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Student


100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git commit -m "Created Student file"
[master (root-commit) fead08d] Created Student file
 1 file changed, 1 insertion(+)
 create mode 100644 Student
```

Create IgnoreExample.txt

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IgnoreExample.txt


100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ echo "Testing" > IgnoreExample.txt

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   IgnoreExample.txt

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   IgnoreExample.txt
```

Commit and add files

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git commit -m "Adding more files"
[master ff75a92] Adding more files
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 IgnoreExample.txt

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git add *
warning: LF will be replaced by CRLF in IgnoreExample.txt.
The file will have its original line endings in your working directory
```

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git commit -m "Commiting again"
[master b0fa1d7] Commiting again
 1 file changed, 1 insertion(+)

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Remove Ignore Example and added the file to .gitignore

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git rm --cached IgnoreExample.txt
rm 'IgnoreExample.txt'

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ nano .gitignore
```

```
  GNU nano 4.3                                                                    .gitignore
IgnoreExample.txt
```

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    IgnoreExample.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
```

Create a new branch called 'example' and change branches

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git branch example

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git checkout example
Switched to branch 'example'
A       .gitignore
D       IgnoreExample.txt
```

Create new file called BranchExample.txt

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ touch BranchExample.txt

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ notepad BranchExample.txt
```
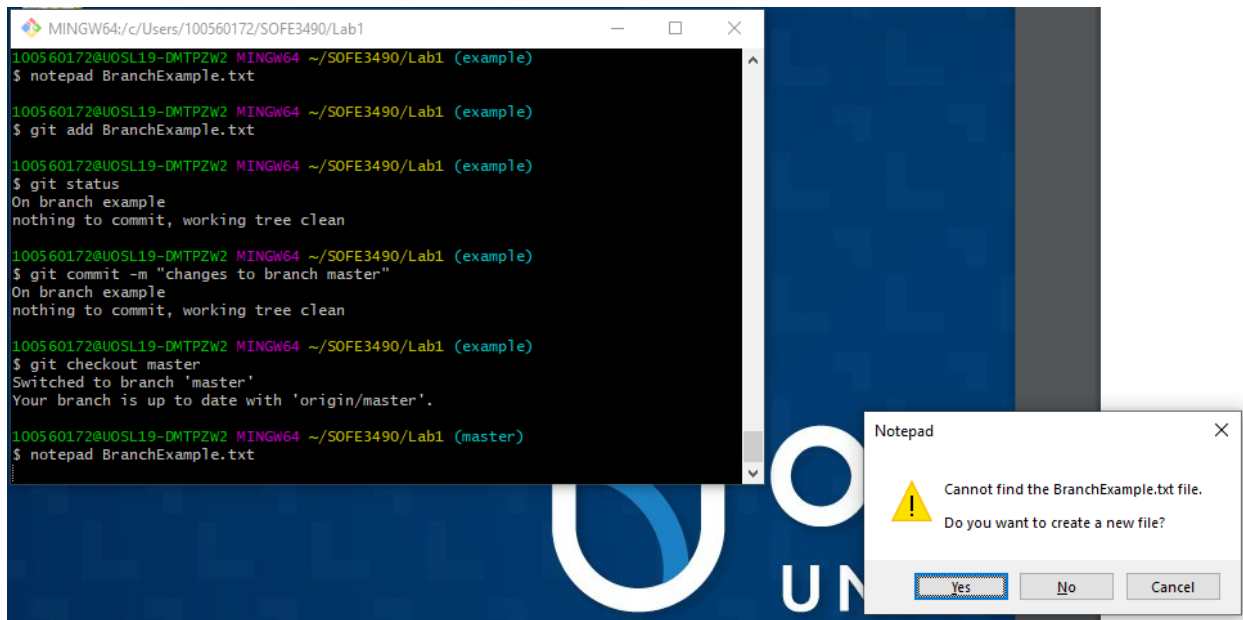
BranchExample.txt - Notepad
File Edit Format View Help
Branch Example Edit

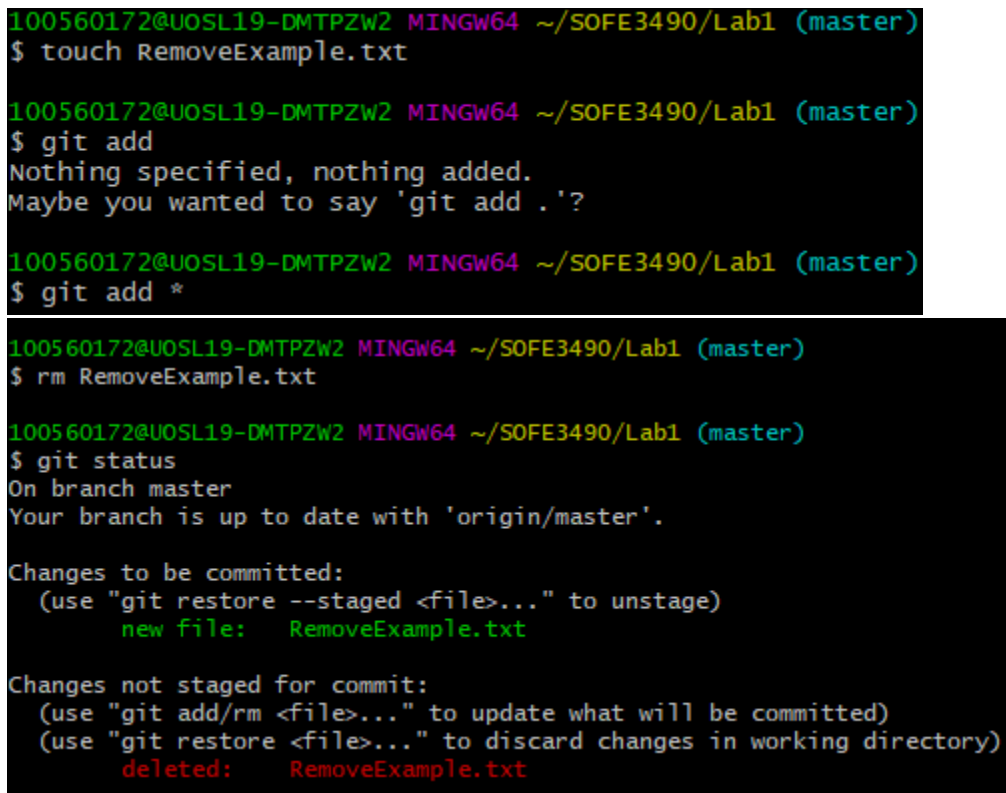Change back to master branch and try to open BranchExample.txt

Create File named RemoveExample.txt, add, then removed.

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git clean -f

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git clean -n

100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```