

## 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 "Committing again"
[master b0fa1d7] Committing 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

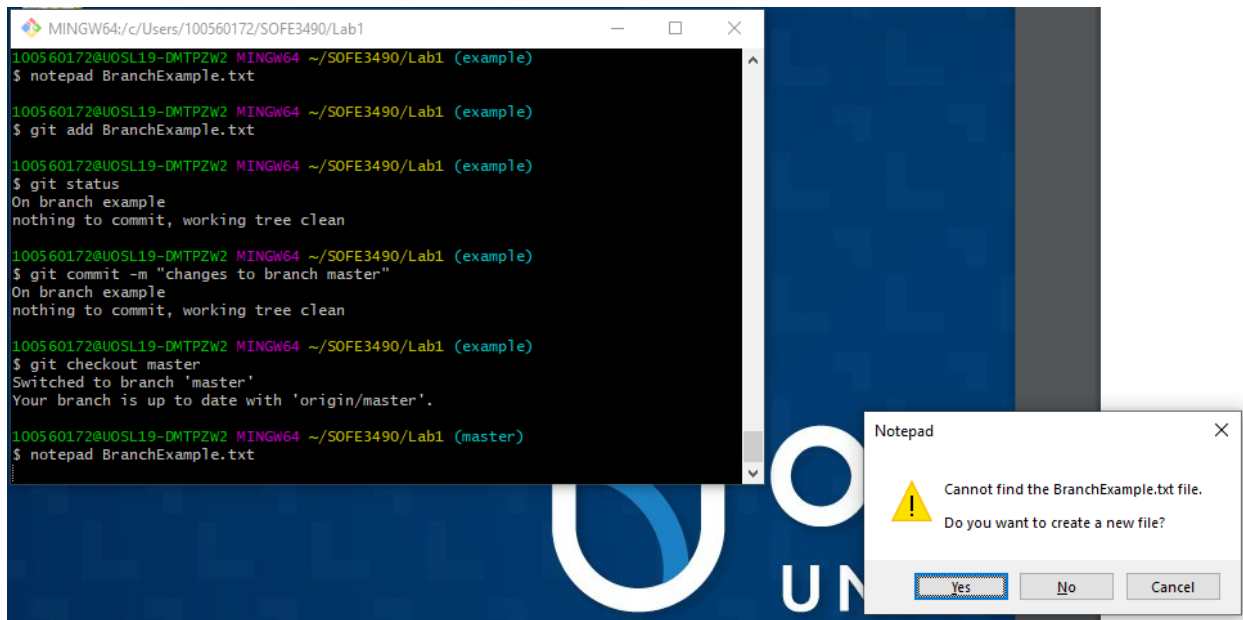
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ notepad BranchExample.txt
```

BranchExample.txt - Notepad

File Edit Format View Help

Branch Example Edit

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

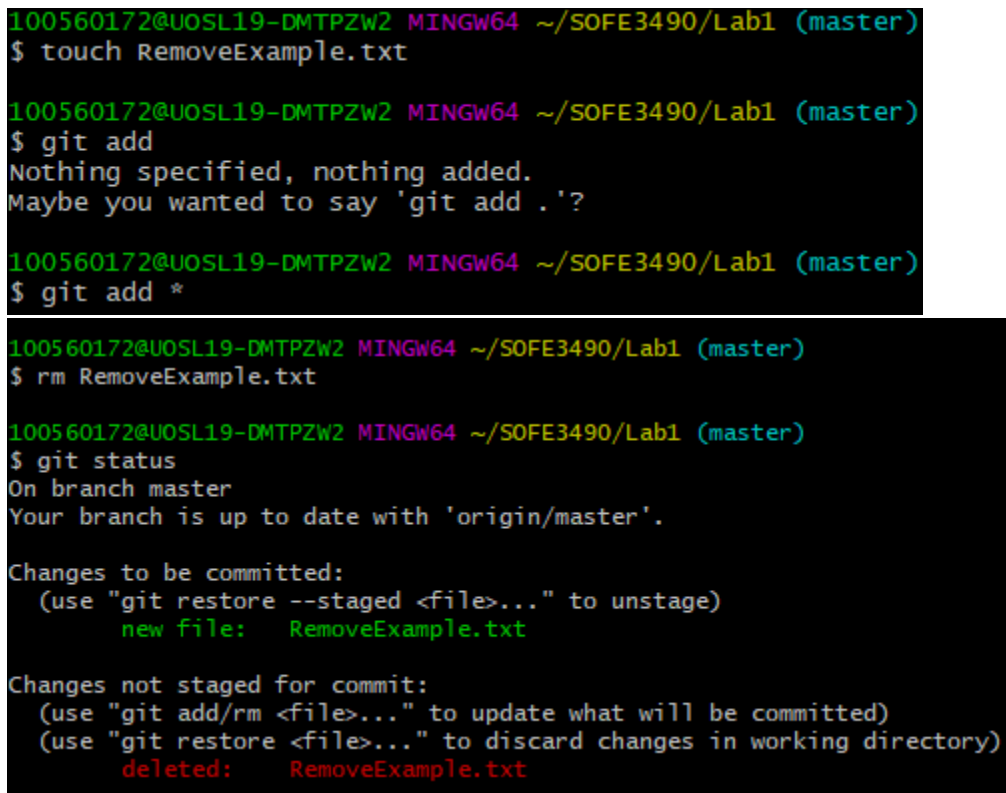


The screenshot shows a terminal window with the following commands and output:

```
MINGW64/c/Users/100560172/SOFE3490/Lab1
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ notepad BranchExample.txt
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ git add BranchExample.txt
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ git status
On branch example
nothing to commit, working tree clean
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ git commit -m "changes to branch master"
On branch example
nothing to commit, working tree clean
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (example)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ notepad BranchExample.txt
```

Overlaid on the terminal is a Notepad dialog box with a yellow warning icon. The text in the dialog reads: "Cannot find the BranchExample.txt file. Do you want to create a new file?". There are three buttons at the bottom: "Yes", "No", and "Cancel".

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



The screenshot shows a terminal window with the following commands and output:

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ touch RemoveExample.txt
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'
100560172@UOSL19-DMTPZW2 MINGW64 ~/SOFE3490/Lab1 (master)
$ git add *
```

The terminal output continues with the status of the file:

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

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   RemoveExample.txt

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

```
100560172@UOSL19-DMTPZW2 MINGW64 ~/S0FE3490/Lab1 (master)
$ git clean -f

100560172@UOSL19-DMTPZW2 MINGW64 ~/S0FE3490/Lab1 (master)
$ git clean -n

100560172@UOSL19-DMTPZW2 MINGW64 ~/S0FE3490/Lab1 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```