

# GIT - Assignment

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## Remove

a) Removing file from commit

```
maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ ls
demo.txt  Hello.class  Hello.java  readme.md  temp.txt

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git add temp.txt
warning: LF will be replaced by CRLF in temp.txt.
The file will have its original line endings in your working directory

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git rm temp.txt
error: the following file has changes staged in the index:
    temp.txt
(use --cached to keep the file, or -f to force removal)

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git commit -m "adding-temp"
[master 3b414d3] adding-temp
1 file changed, 1 insertion(+)
create mode 100644 temp.txt

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git rm temp.txt
rm 'temp.txt'

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ ls
demo.txt  Hello.class  Hello.java  readme.md

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)

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

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git commit -m "working"
[master 052f479] working
1 file changed, 1 deletion(-)
delete mode 100644 temp.txt

maith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ ls
demo.txt  Hello.class  Hello.java  readme.md
```

## b) Removing file from staging **git rm --cached**

```
MINGW64/d/au_university/hello-git
naith@DESKTOP-EDOST2V MINGW64 /d/au_university/hello-git (master)
$ ls
demo.txt Hello.class Hello.java readme.md
naith@DESKTOP-EDOST2V MINGW64 /d/au_university/hello-git (master)
$ git add Hello.class
naith@DESKTOP-EDOST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

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

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

naith@DESKTOP-EDOST2V MINGW64 /d/au_university/hello-git (master)
$ git rm --cached Hello.class
rm 'Hello.class'

naith@DESKTOP-EDOST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Hello.class
        demo.txt

nothing added to commit but untracked files present (use "git add" to track)
naith@DESKTOP-EDOST2V MINGW64 /d/au_university/hello-git (master)
$
```

## Move

git mv

renaming files in staging area

```
MINGW64/d/au_university/hello-git
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ ls
demo.txt  Hello.class  Hello.java  readme.md
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git add demo.txt
warning: LF will be replaced by CRLF in demo.txt.
The file will have its original line endings in your working directory
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

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

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

naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git mv demo.txt renamed_demo.txt
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

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

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

naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$
```

## Reset

## git reset

```
MINGW64/d/au_university/hello-git
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ ls
demo.txt  Hello.class  Hello.java  readme.md
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git add demo.txt
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

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

naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git reset
Unstaged changes after reset:
M   demo.txt
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

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:   demo.txt

no changes added to commit (use "git add" and/or "git commit -a")
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git restore demo.txt
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
naith@DESKTOP-ED0ST2V MINGW64 /d/au_university/hello-git (master)
$
```