

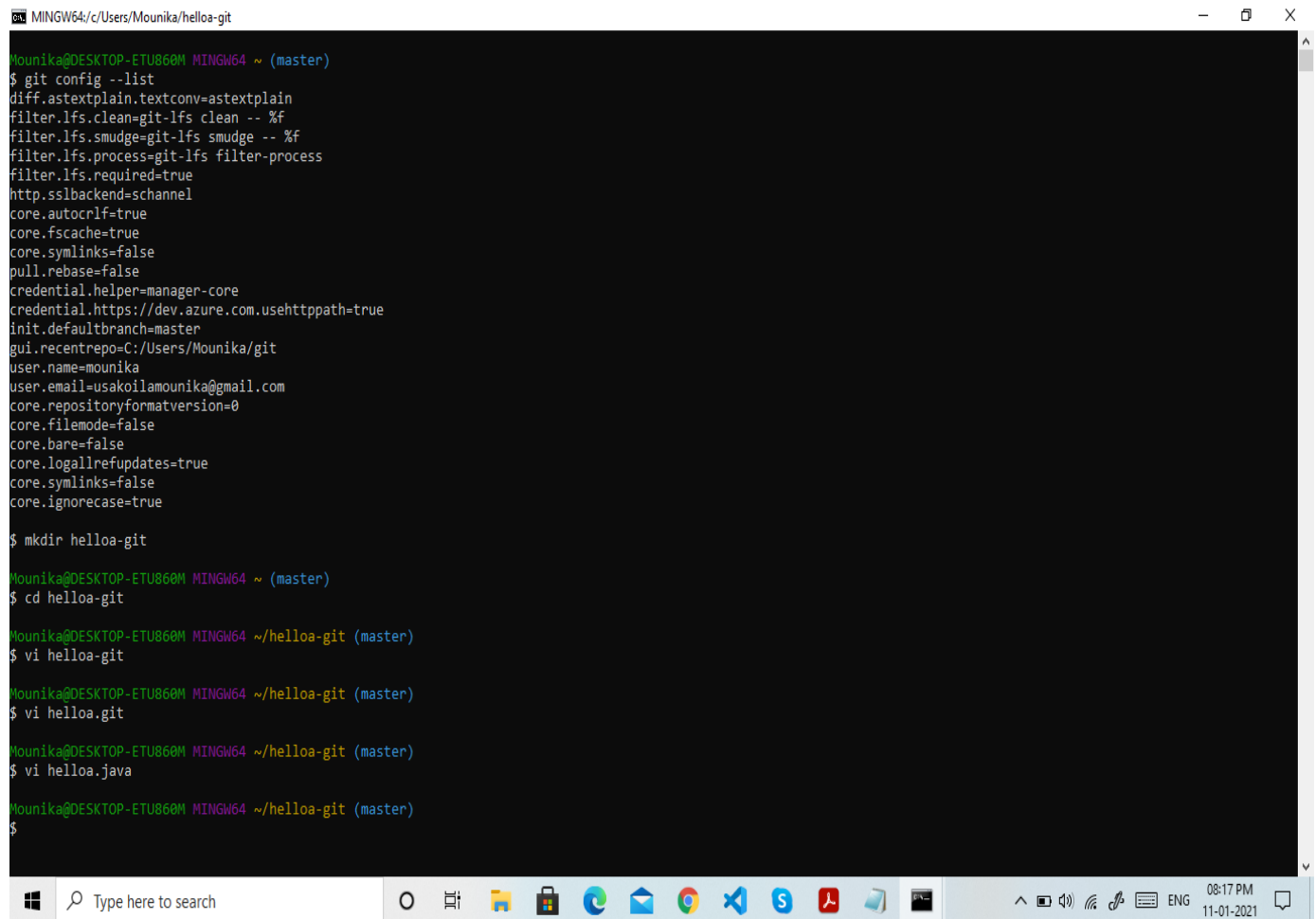
# Version Control System (VCS), GIT- Assignment

Usakoila Mounika

1. Upload the hello-git (basic GIT commands) and branch-demo (branch examples) repositories that were created during the class.
2. Use GIT remove, move and reset commands and post the screenshots.
3. Fork the repo (<https://github.com/vikranthacco/hello-git>), create a feature branch and create a pull request to this repo (Refer 6.4 section in the material)

1)

## GIT BASIC COMMANDS



```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~ (master)
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
gui.recentrepo=C:/Users/Mounika/git
user.name=Mounika
user.email=usakoilamounika@gmail.com
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true

$ mkdir helloa-git

Mounika@DESKTOP-ETU860M MINGW64 ~ (master)
$ cd helloa-git

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ vi helloa-git

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ vi helloa.git

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ vi helloa.java

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$
```

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ vi helloa.java

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ javac helloa.java

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ java hello.java
Error: Could not find or load main class hello.java
Caused by: java.lang.ClassNotFoundException: hello.java

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ java helloa.java
Hello
world

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$
```

## GIT ADD,GIT COMMIT AND GIT LOG

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git init
Initialized empty Git repository in C:/Users/Mounika/helloa-git/.git/

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ vi readme.md

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    helloa-git
    helloa.class
    helloa.git
    helloa.java
    readme.md

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git add helloa.java
warning: LF will be replaced by CRLF in helloa.java.
The file will have its original line endings in your working directory

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
```

```
MINGW64/c/Users/Mounika/helloa-git

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        helloa-git
        helloa.class
        helloa.git
        helloa.java
        readme.md

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git add helloa.java
warning: LF will be replaced by CRLF in helloa.java.
The file will have its original line endings in your working directory

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git add readme.md
warning: LF will be replaced by CRLF in readme.md.
The file will have its original line endings in your working directory

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   helloa.java
        new file:   readme.md

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

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$
```

```
MINGW64/c/Users/Mounika/helloa-git

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git commit -m "assignment"
[master (root-commit) 0ca96a9] assignment
 2 files changed, 9 insertions(+)
 create mode 100644 helloa.java
 create mode 100644 readme.md

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master

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

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log
commit 0ca96a9a251c0ae733cbc190db005690dbd256a4 (HEAD -> master)
Author: Mounika <usakoilamounika@gmail.com>
Date:   Mon Jan 11 20:25:07 2021 +0530

    assignment

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log --onel
fatal: unrecognized argument: --onel

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log --online
fatal: unrecognized argument: --online

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log --oneline
0ca96a9 (HEAD -> master) assignment

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log --stat
commit 0ca96a9a251c0ae733cbc190db005690dbd256a4 (HEAD -> master)
Author: Mounika <usakoilamounika@gmail.com>
Date:   Mon Jan 11 20:25:07 2021 +0530
```

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log --stat
commit 0ca96a9a251c0ae733cbc190db005690dbd256a4 (HEAD -> master)
Author: mounika <usakoilamounika@gmail.com>
Date: Mon Jan 11 20:25:07 2021 +0530

    assignment

    helloa.java | 8 ++++++
    readme.md   | 1 +
    2 files changed, 9 insertions(+)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        helloa-git
        helloa.class
        helloa.git

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$
```

## GIT DIFF AND GIT DIFF --STAGED

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff
warning: LF will be replaced by CRLF in helloa.java.
The file will have its original line endings in your working directory
diff --git a/helloa.java b/helloa.java
index 6a43451..3400f6e 100644
--- a/helloa.java
+++ b/helloa.java
@@ -4,5 +4,7 @@ public class helloa{
     System.out.println("Hello");
     System.out.println("world");
+    //change
+    //hii
+
 }

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git add helloa.java
warning: LF will be replaced by CRLF in helloa.java.
The file will have its original line endings in your working directory

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   helloa.java

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

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$
```

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff --staged

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff
warning: LF will be replaced by CRLF in helloa.java.
The file will have its original line endings in your working directory
diff --git a/helloa.java b/helloa.java
index 6a43451..3400f6e 100644
--- a/helloa.java
+++ b/helloa.java
@@ -4,5 +4,7 @@ public class helloa{
     System.out.println("Hello");
     System.out.println("world");
     //change
+    //hii
+
+
 }

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git add helloa.java
warning: LF will be replaced by CRLF in helloa.java.
The file will have its original line endings in your working directory

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   helloa.java

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

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff --staged
```

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff --staged
diff --git a/helloa.java b/helloa.java
index 6a43451..3400f6e 100644
--- a/helloa.java
+++ b/helloa.java
@@ -4,5 +4,7 @@ public class helloa{
     System.out.println("Hello");
     System.out.println("world");
     //change
+    //hii
+
+
 }

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git commit -m "commit2"
[master 4ec5d75] commit2
1 file changed, 2 insertions(+)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        helloa-git
        helloa.class
        helloa.git

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff --stats
error: invalid option: --stats

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git diff --staged

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git log
commit 4ec5d7509e78114f10ee12e2699416aecf650538 (HEAD -> master)
Author: mounika <usakoilamounika@gmail.com>
Date:   Mon Jan 11 21:25:14 2021 +0530
```

```
Select MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETUB60M MINGW64 ~/helloa-git (master)
$ git log
commit 4ec5d7509e78114f10ee12e2699416aecf650538 (HEAD -> master)
Author: mounika <usakoilamounika@gmail.com>
Date: Mon Jan 11 21:25:14 2021 +0530

    commit2

commit 0ca96a9a251c0ae733cbc190db005690dbd256a4
Author: mounika <usakoilamounika@gmail.com>
Date: Mon Jan 11 20:25:07 2021 +0530

    assignment

Mounika@DESKTOP-ETUB60M MINGW64 ~/helloa-git (master)
$ git log -p -1
commit 4ec5d7509e78114f10ee12e2699416aecf650538 (HEAD -> master)
Author: mounika <usakoilamounika@gmail.com>
Date: Mon Jan 11 21:25:14 2021 +0530

    commit2

diff --git a/helloa.java b/helloa.java
index 6a43451..3400f6e 100644
--- a/helloa.java
+++ b/helloa.java
@@ -4,5 +4,7 @@ public class helloa{
     System.out.println("Hello");
     System.out.println("world");
     //change
+    //hii
+
 }

Mounika@DESKTOP-ETUB60M MINGW64 ~/helloa-git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    helloa-git
    helloa.class
    helloa.git
```

## GIT BRANCH

```
MINGW64/c/Users/Mounika/helloa-git
Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git branch mounika

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (master)
$ git checkout mounika
Switched to branch 'mounika'

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (mounika)
$ git status
On branch mounika
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        helloa-git
        helloa.class
        helloa.git

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (mounika)
$ code .

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (mounika)
$ git status
On branch mounika
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        helloa-git
        helloa.class
        helloa.git

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (mounika)
$ git add readmE.md

Mounika@DESKTOP-ETU860M MINGW64 ~/helloa-git (mounika)
$ git commit -m "readfile"
On branch mounika
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        helloa-git
        helloa.class
        helloa.git
```

2)

## GIT remove, move and reset commands

```
Select MINGW64/c/Users/Mounika/Documents/3-2/git_commands
Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$ git rm example1.txt
error: the following file has changes staged in the index:
  example1.txt
(use --cached to keep the file, or -f to force removal)

Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$ git rm example1.txt -f
rm 'example1.txt'

Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$ git mv hello.txt change.txt

Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$ git status
On branch master

No commits yet

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

Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$ git reset change.txt

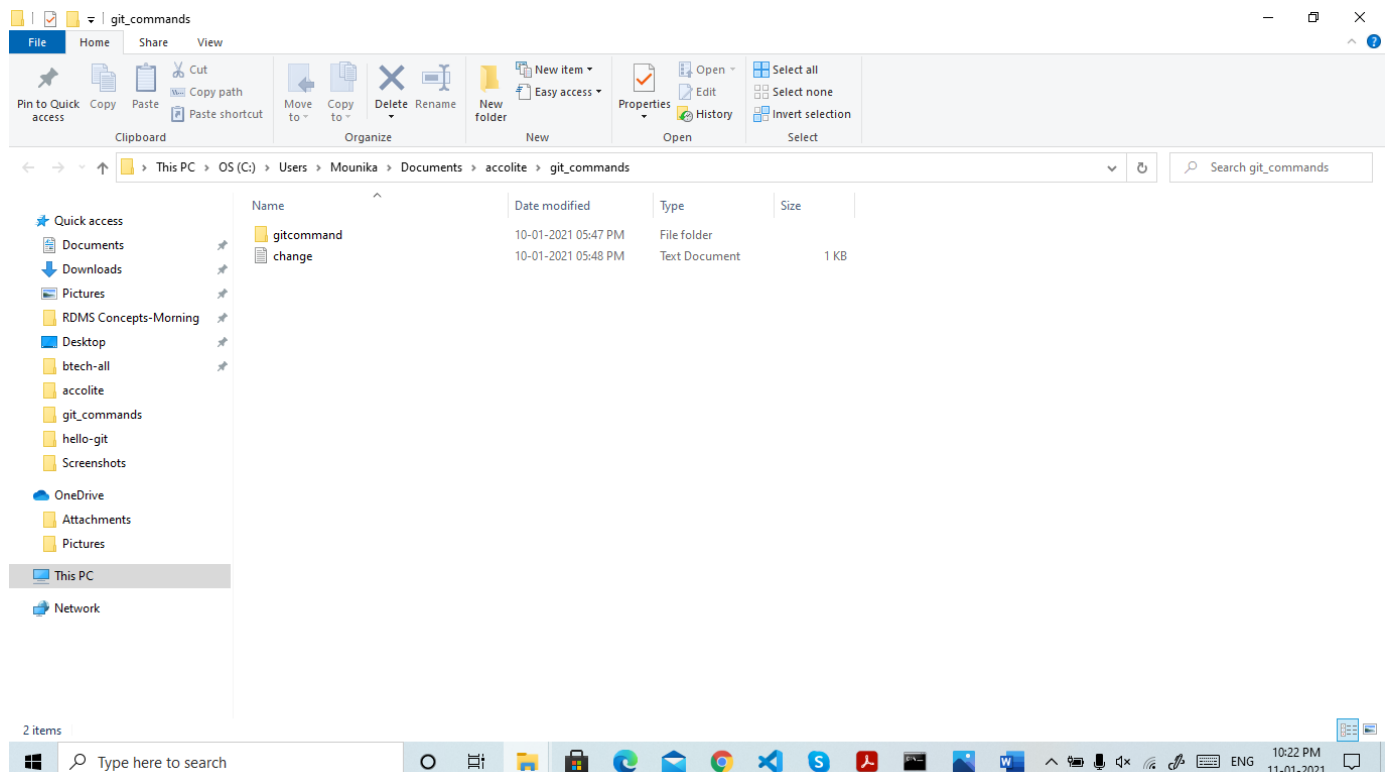
Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)

Mounika@DESKTOP-ETU860M MINGW64 ~/Documents/3-2/git_commands (master)
$
```





### 3) Fork the repo, create a feature branch and create a pull request to this repo.

The screenshot shows a web browser window with multiple tabs open, including 'Inbox - usako', 'GIT - Assignm', 'mounikachang', 'Pull requests', 'Meet - ddh-m', '(6) WhatsApp', 'Meet - br', and 'Git and GitHub'. The active tab displays a GitHub pull request page for 'mounikachange #21'. The page title is 'mounikachange #21' with 'Edit' and 'Open with' buttons. Below the title, a green 'Open' button is followed by the text 'UsakoilaMounika wants to merge 1 commit into vikranthacco:master from UsakoilaMounika:mounika'. A navigation bar shows 'Conversation 0', 'Commits 1', 'Checks 0', and 'Files changed 1'. A comment from 'UsakoilaMounika' states 'I modified'. A commit by 'mounikachange' with hash 'afe9bc9' is shown. A green box with a checkmark indicates 'This branch has no conflicts with the base branch'. The right sidebar lists 'Reviewers' (No reviews), 'Assignees' (No one assigned), 'Labels' (None yet), 'Projects' (None yet), and 'Milestone'. The bottom of the browser shows a taskbar with various application icons and a system clock indicating 06:04 PM on 10-01-2021.