Version Control System (VCS), GIT- Assignment

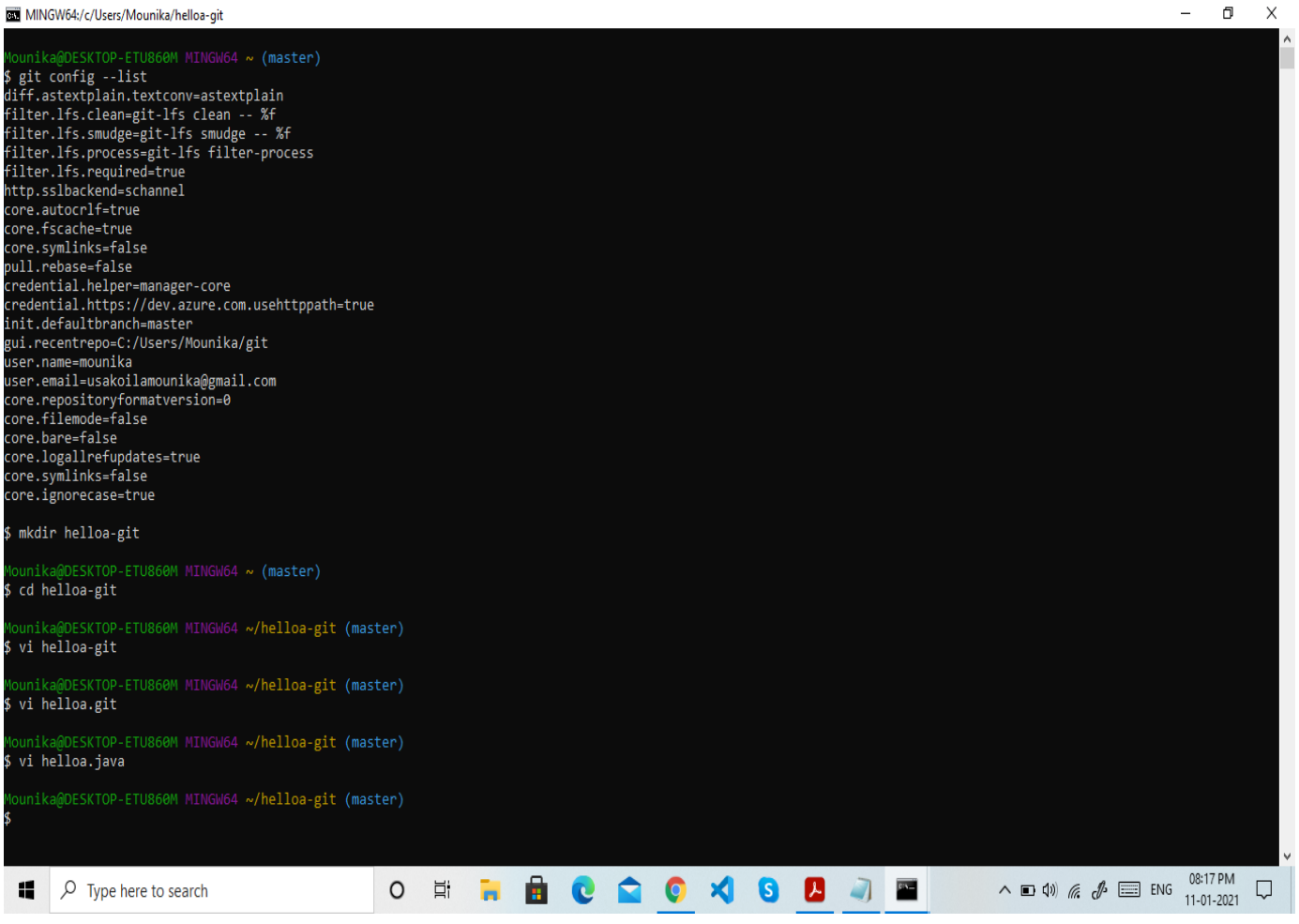
Usakoila Mounika

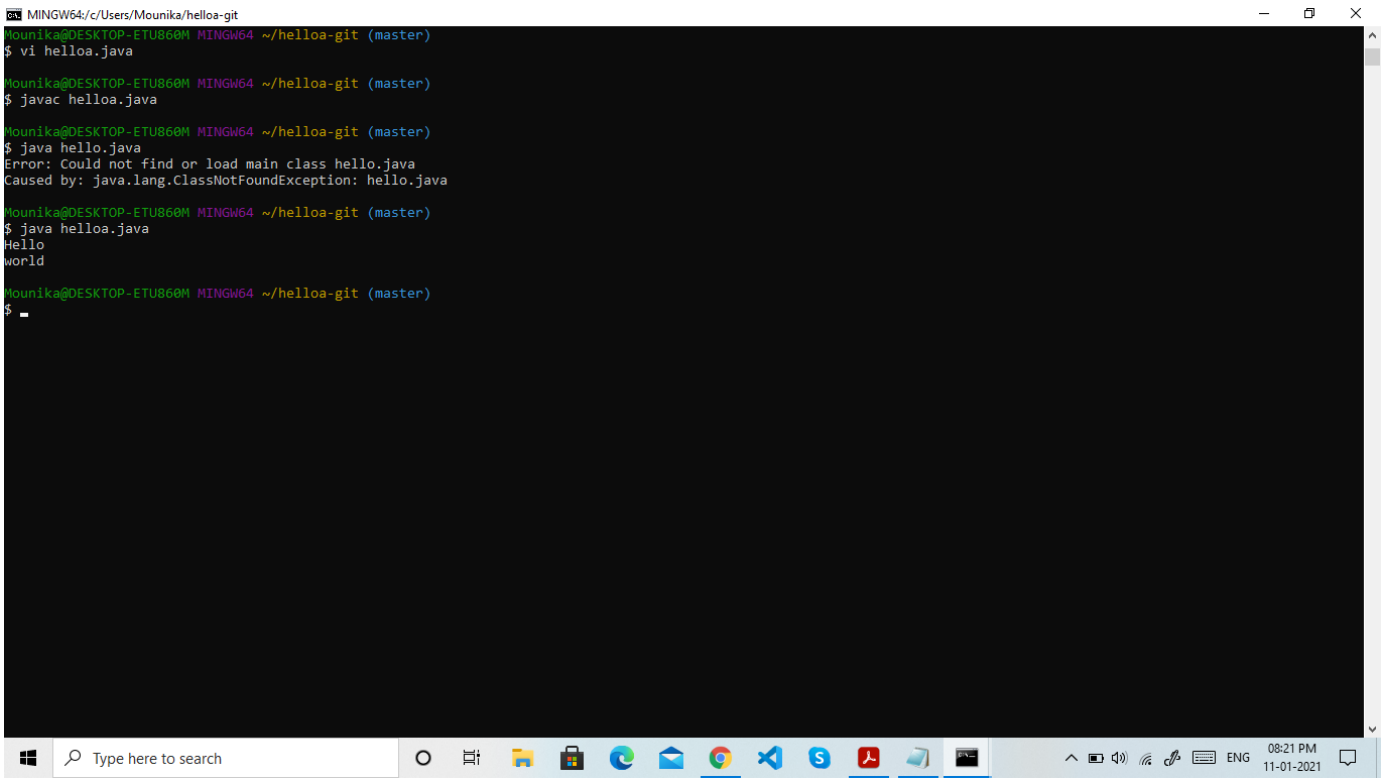
1. Upload the hello-git (basic GIT commands) and branch-demo (branch examples) repositories that were created during the class.

2. Use GIT remove, move and reset commands and post the screenshots.

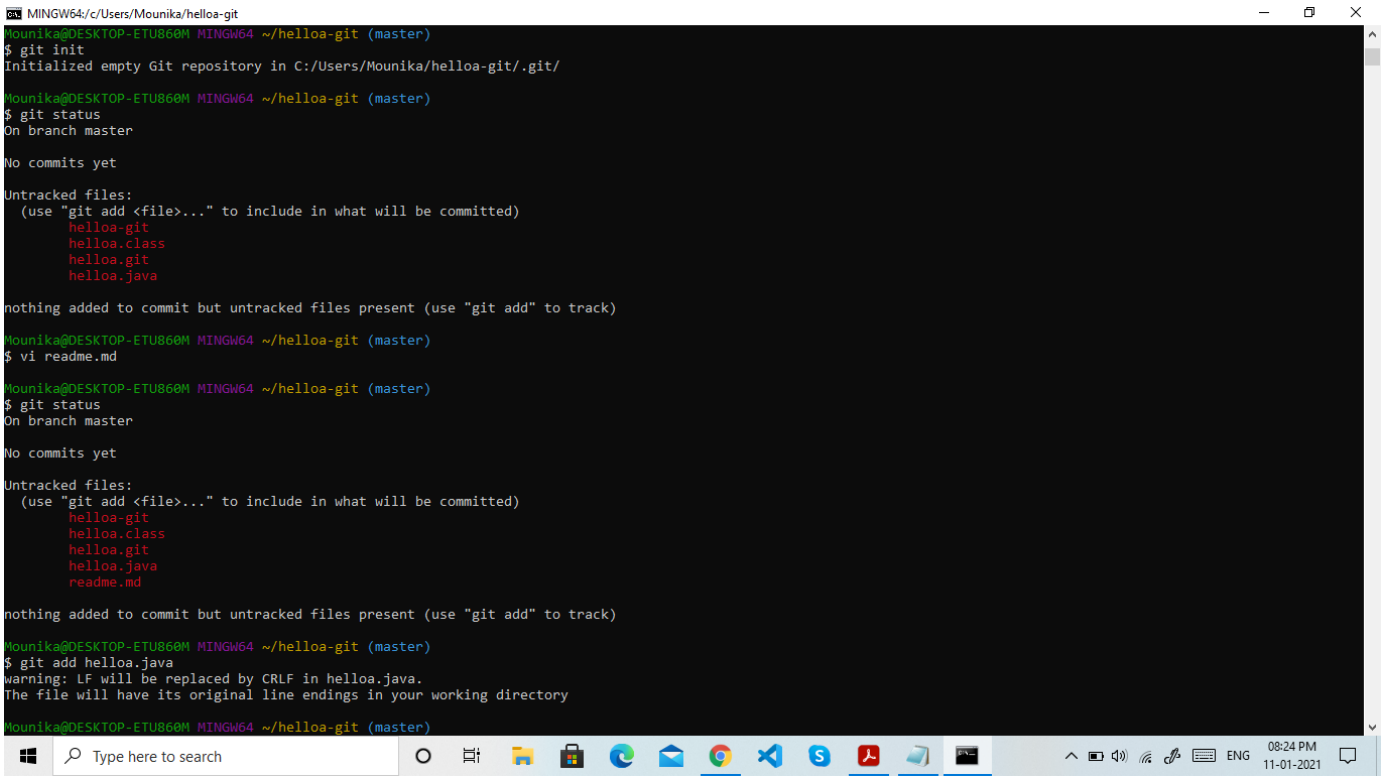
3. Fork the repo (https://github.com/vikranthacco/hello-git), create a feature branch and create a pull request to this repo (Refer 6.4 section in the material)

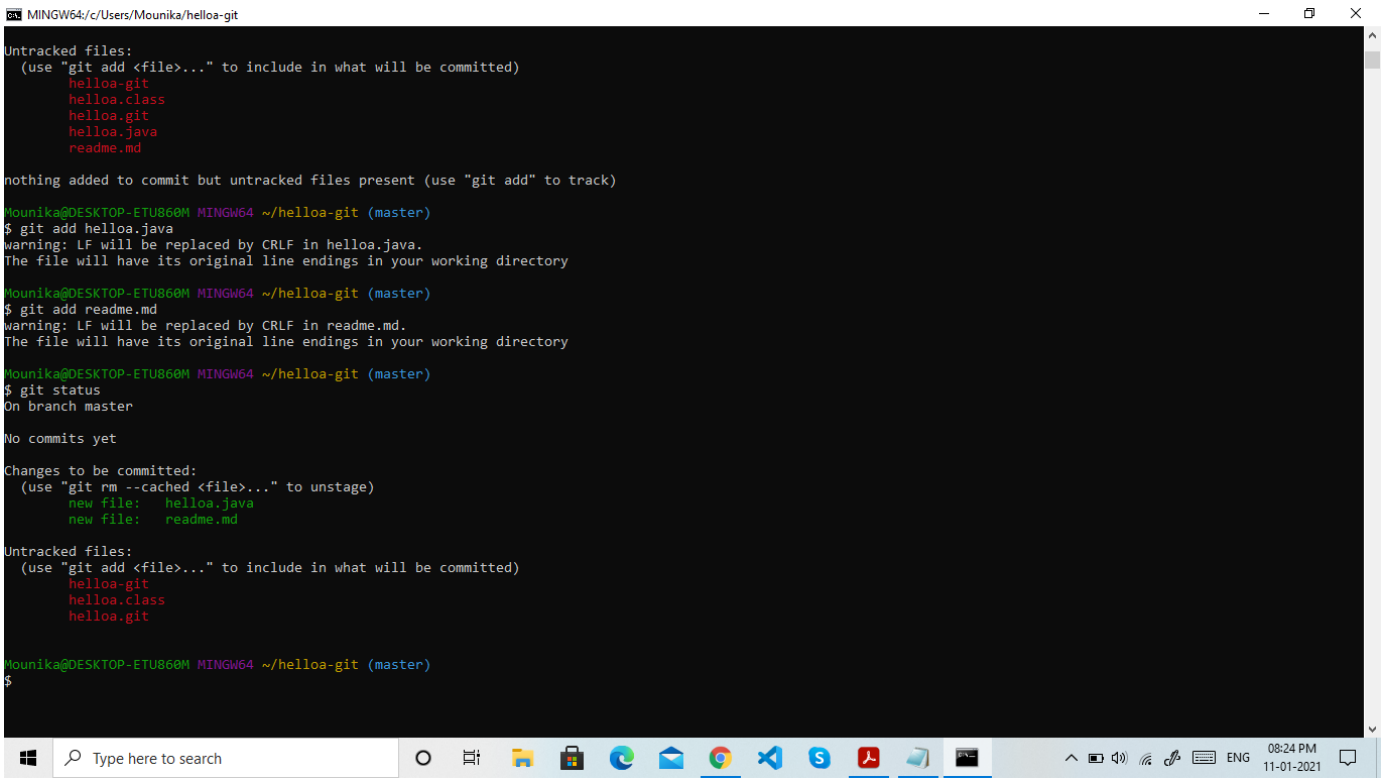
1) GIT BASIC COMMANDs

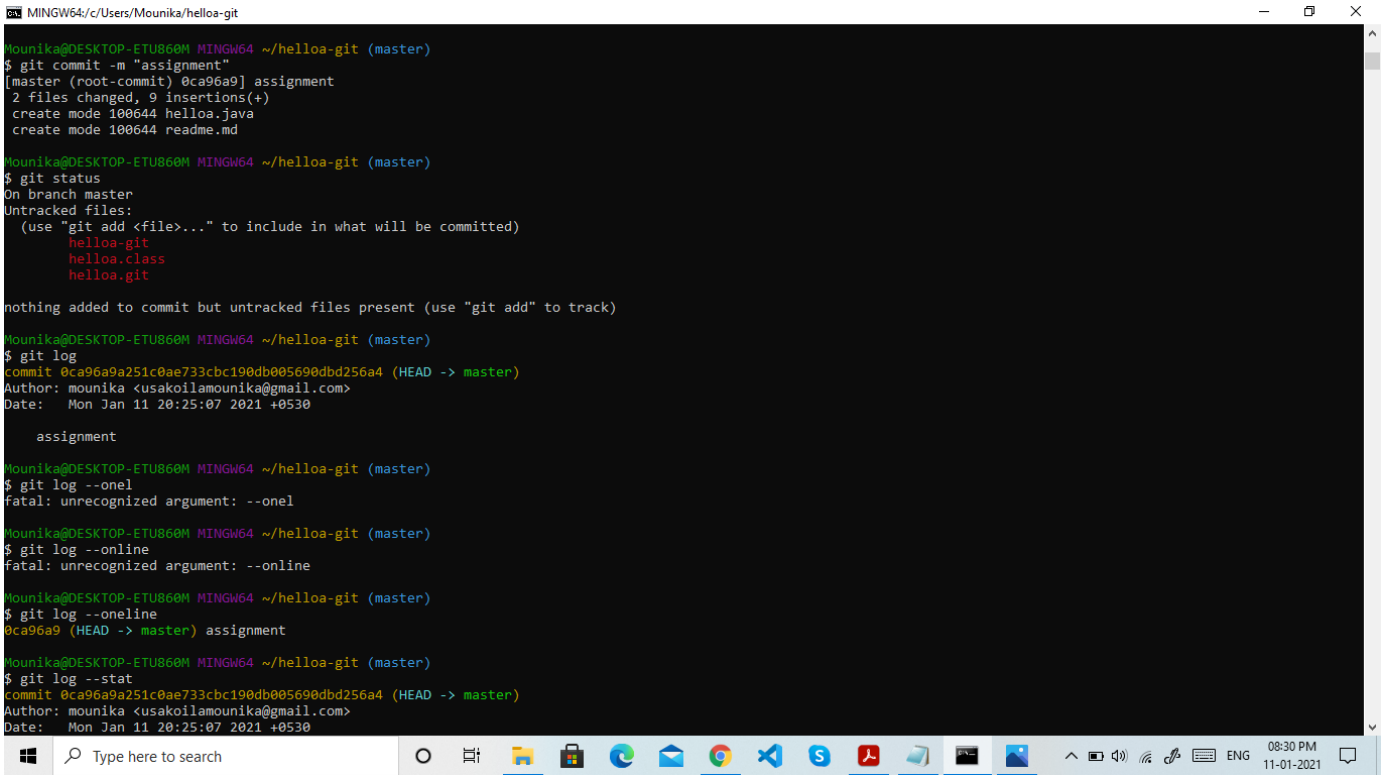




GIT ADD,GIT COMMIT AND GIT LOG




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)
$
Type here to search
ENG
08:24 PM
11-01-2021


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
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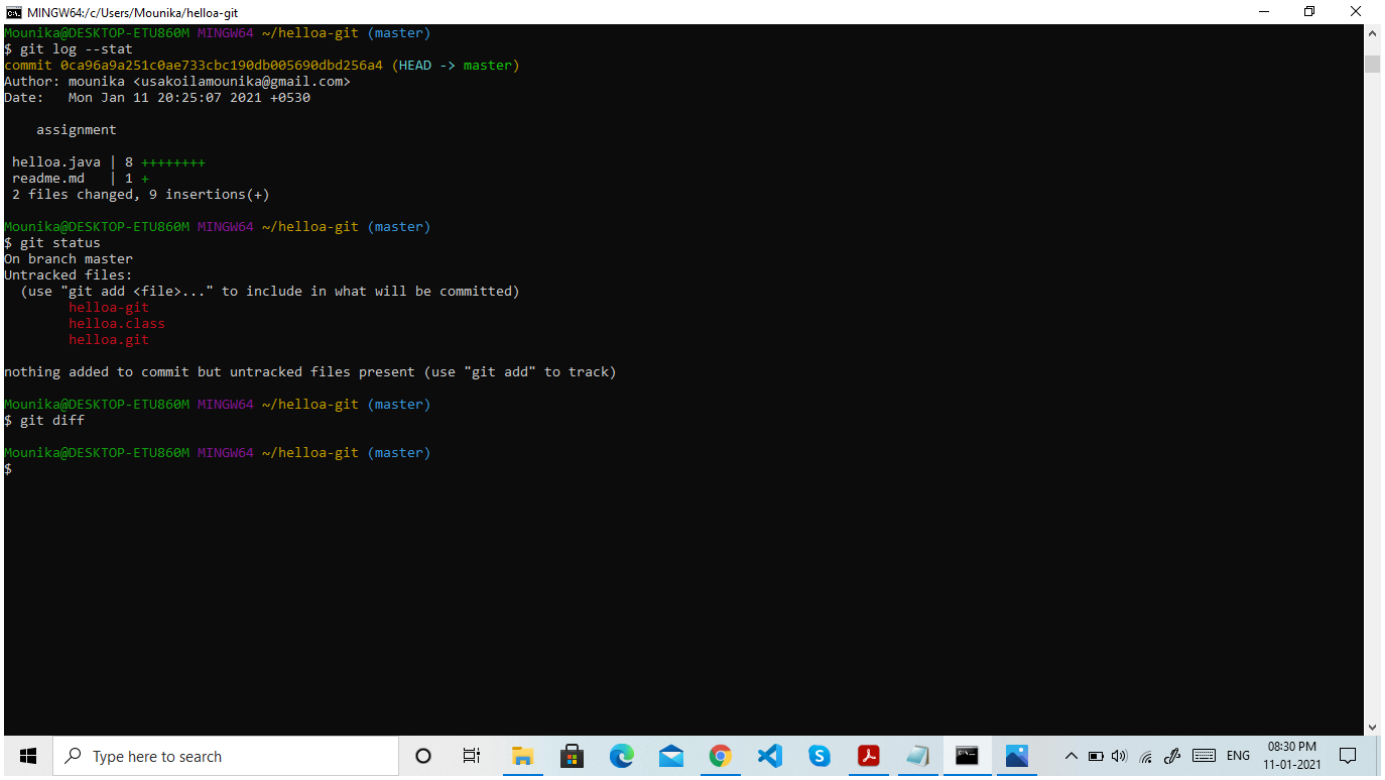
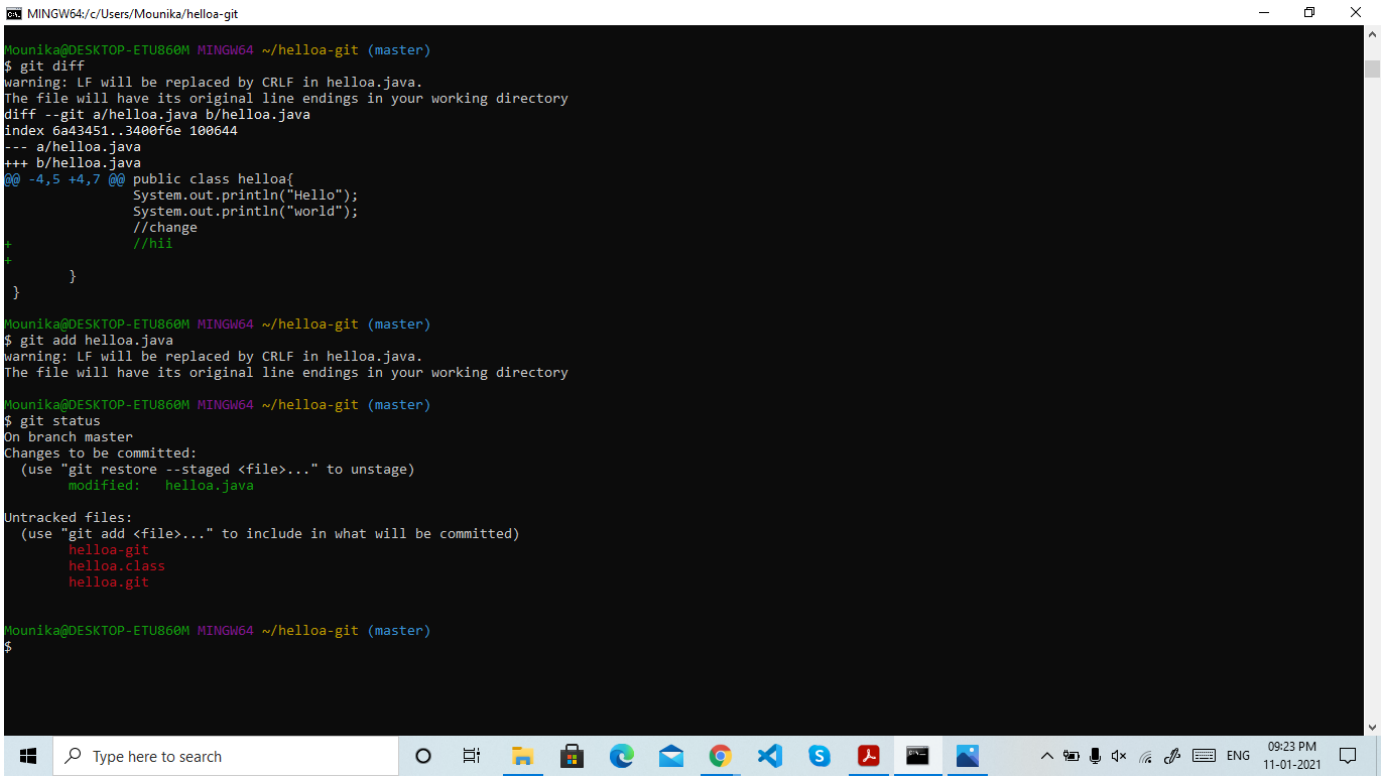
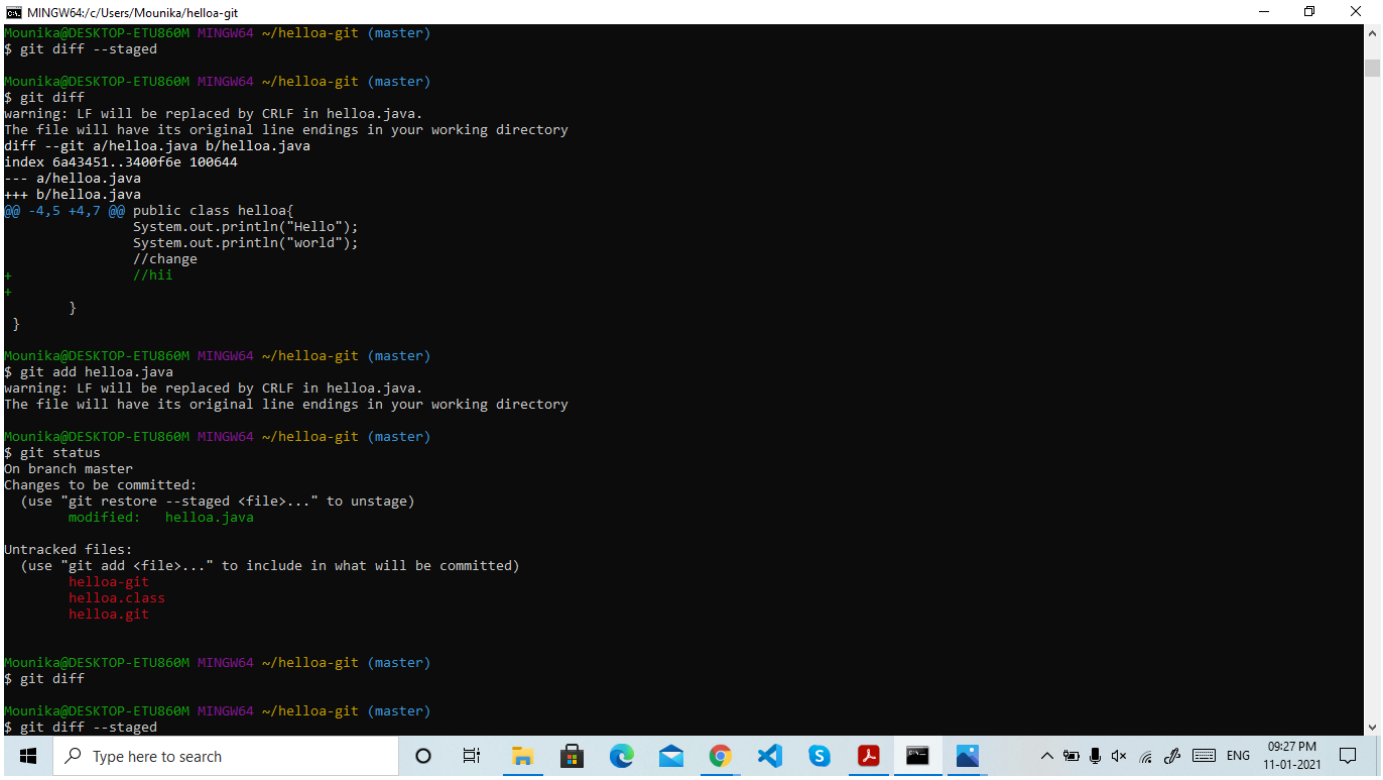
11-01-2021



GIT DIFF AND GIT DIFF –STAGED




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
Type here to search
ENG
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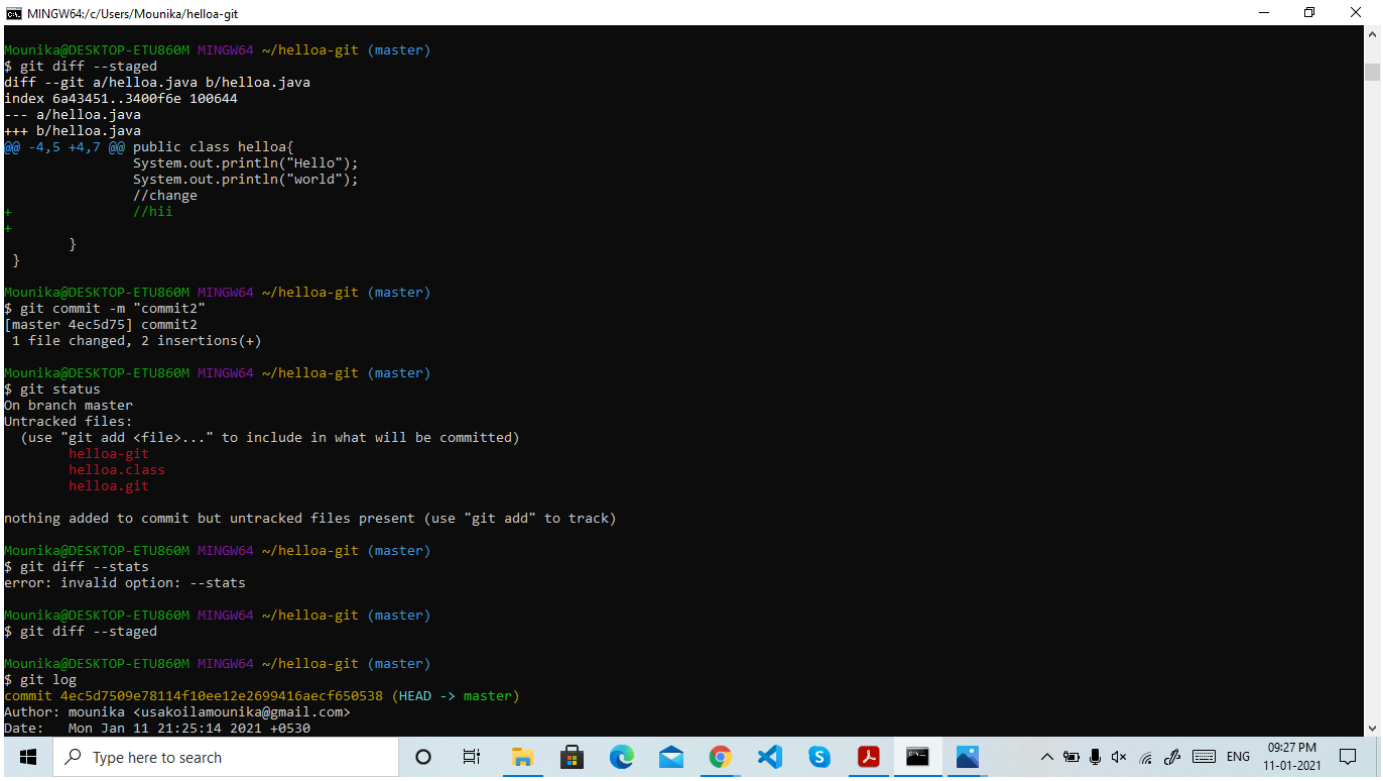
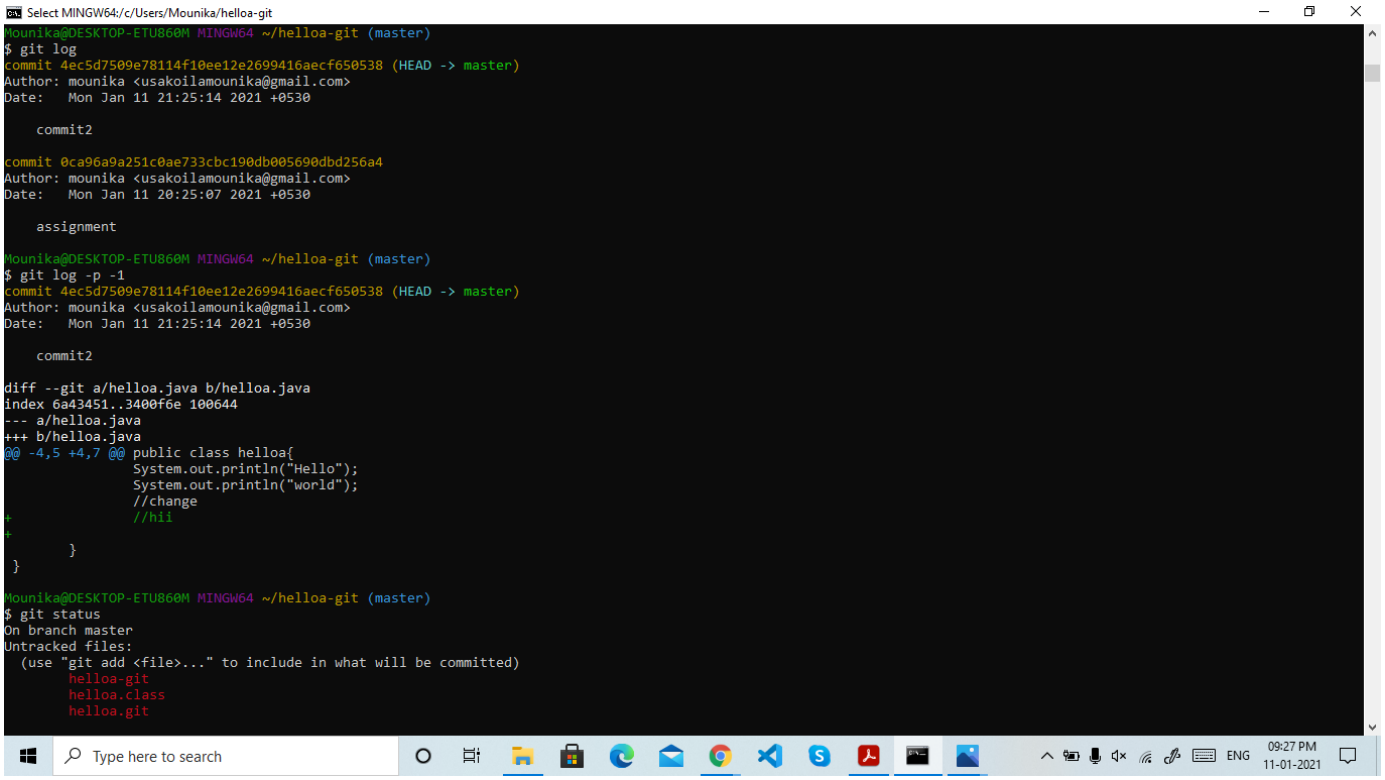
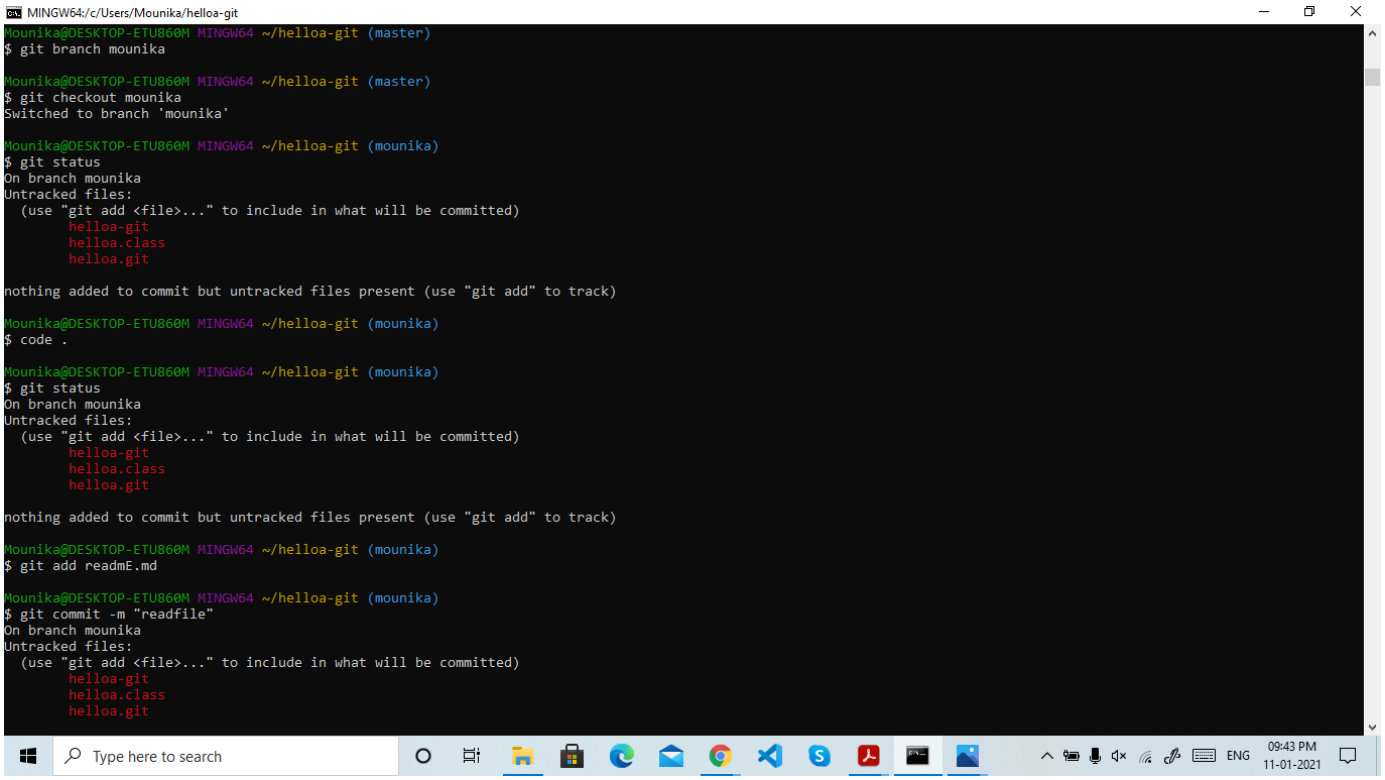
11-01-2021


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
Type here to search
ENG
09:27 PM
11-01-2021


Select MINGW64:/c/Users/Mounika/helloa-git
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
commit2
commit 0ca96a9a251c0ae733cbc190db005690dbd256a4
Author: mounika <usakoilamounika@gmail.com>
Date: Mon Jan 11 20:25:07 2021 +0530
assignment
Mounika@DESKTOP-ETU860M 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-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
Type here to search
ENG
09:27 PM
11-01-2021

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
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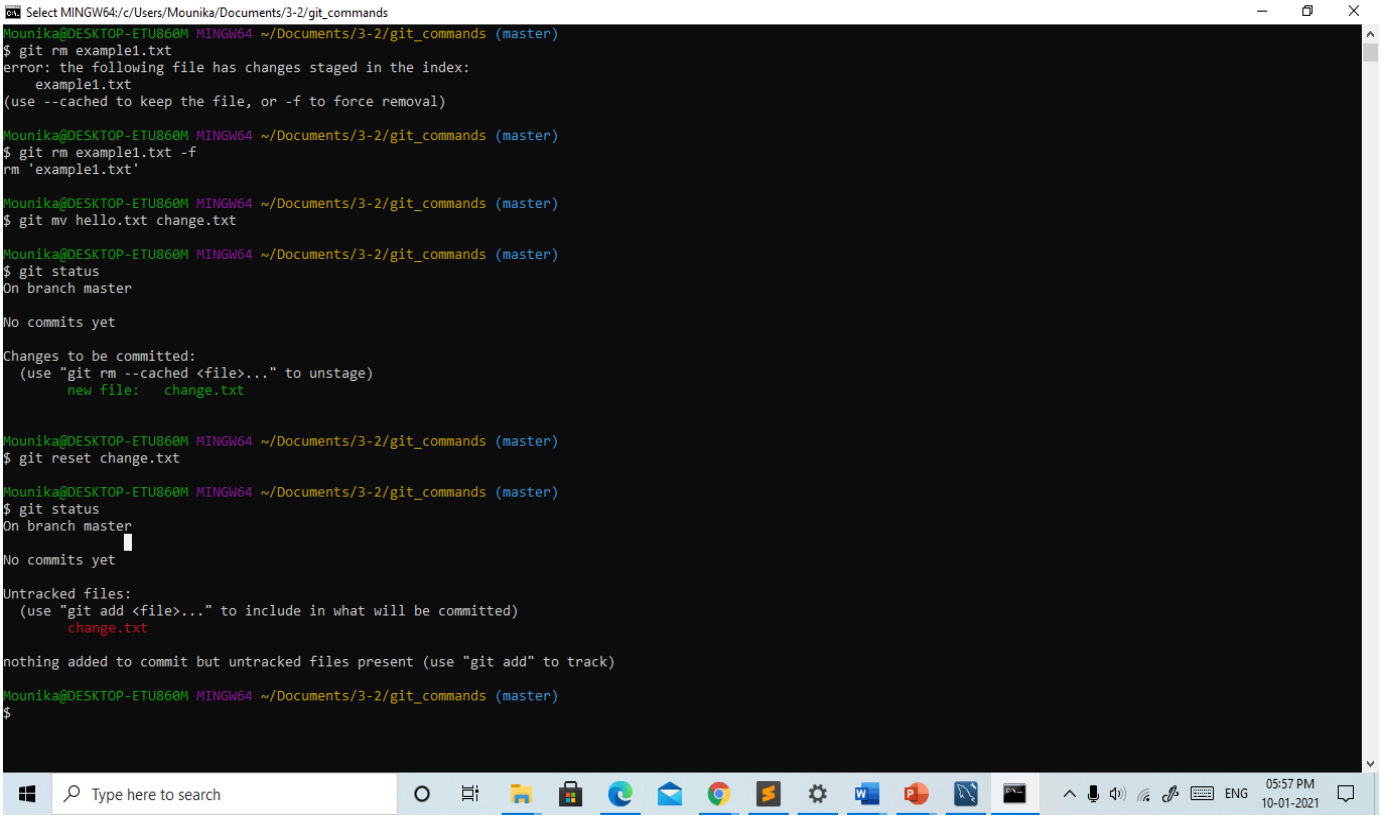
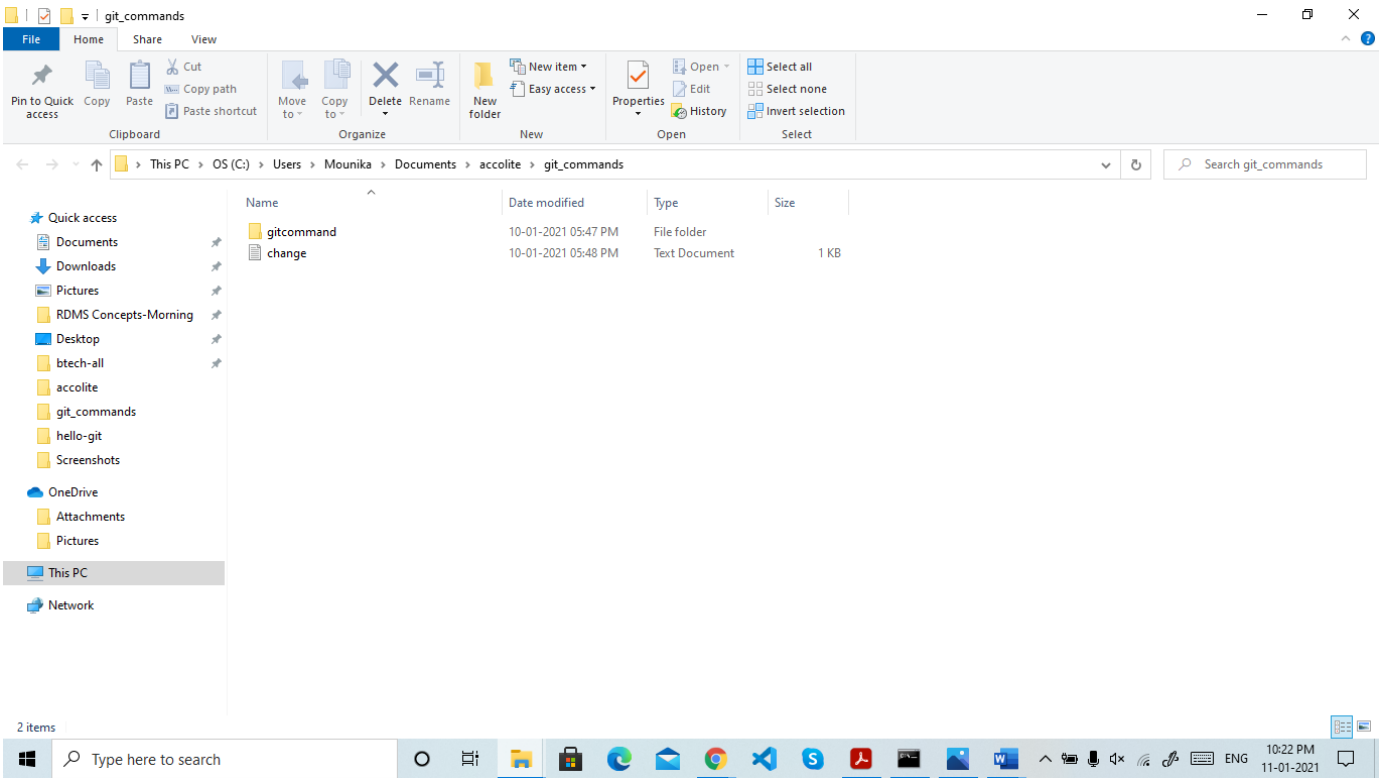
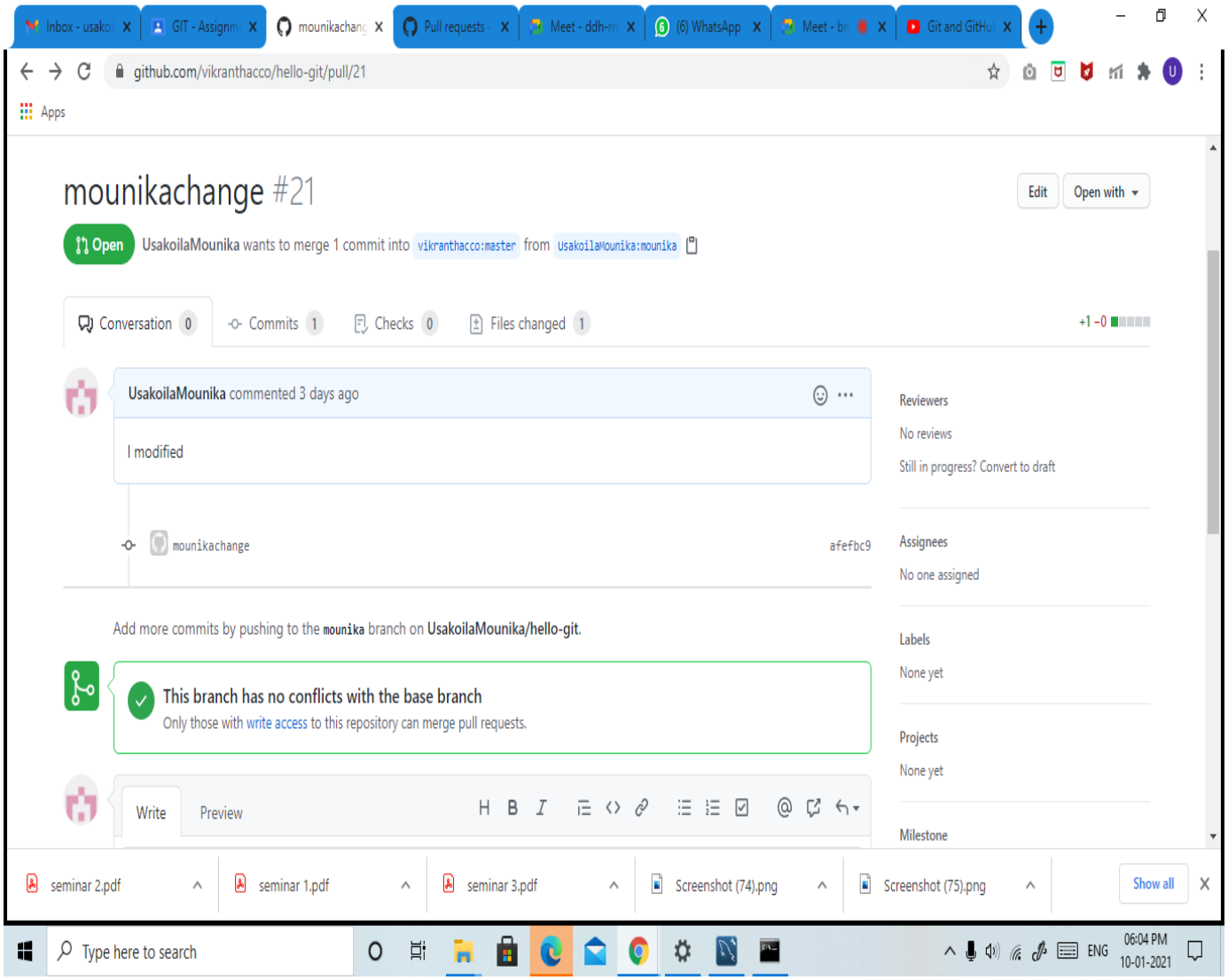
2) GIT remove, move and reset commands





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