

```
MINGW64:/c/Users/Admin
Admin@SCM-20190602BIS MINGW64 ~
$
```

โปรแกรมตั้งขึ้นมา

```
MINGW64:/c/Users/Admin
Admin@SCM-20190602BIS MINGW64 ~
$ git
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
          [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
          [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
          [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
          [--super-prefix=<path>] [--config-env=<name>=<envvar>]
          <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect     Use binary search to find the commit that introduced a bug
  diff       Show changes between commits, commit and working tree, etc
  grep       Print lines matching a pattern
  log        Show commit logs
  show       Show various types of objects
  status     Show the working tree status

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  switch     Switch branches
  tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch      Download objects and refs from another repository
  pull       Fetch from and integrate with another repository or a local branch
  push       Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.

Admin@SCM-20190602BIS MINGW64 ~
$
```

มีคำสั่งของ git แสดงขึ้นมา

```
MINGW64:/c/Users/Admin

Admin@SCM-20190602BIS MINGW64 ~
$ git config --global user.name "Sittinon"

Admin@SCM-20190602BIS MINGW64 ~
$ git config user.name
Sittinon

Admin@SCM-20190602BIS MINGW64 ~
$
```

บอกชื่อให้ git และตรวจสอบชื่อ

```
MINGW64:/c/Users/Admin

Admin@SCM-20190602BIS MINGW64 ~
$ git config --global user.name "Sittinon"

Admin@SCM-20190602BIS MINGW64 ~
$ git config user.name
Sittinon

Admin@SCM-20190602BIS MINGW64 ~
$ git config --global user.email "64030207@kmitl.ac.th"

Admin@SCM-20190602BIS MINGW64 ~
$ git config user.email
64030207@kmitl.ac.th

Admin@SCM-20190602BIS MINGW64 ~
$ |
```

บอกเมล git ให้รู้ email และตรวจสอบ email

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
[Import a repository.](#)

Owner *

Sittinon-Sawatdemongkol

Repository name *

ComLab-Git

Great repository names are short and memorable. [ComLab-Git is available.](#) n? How about [ideal-octo-system?](#)

Description (optional)

This is my repository for computer lab

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ Add a README file

This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None

Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

License: None

① You are creating a public repository in your personal account.

Create repository

สร้าง Repository

Quick setup — if you've done this kind of thing before

Set up in Desktop

 or

HTTPS

SSH

https://github.com/Sittinon-Sawatdemongkol/ComLab-Git.git

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# ComLab-Git" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/Sittinon-Sawatdemongkol/ComLab-Git.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/Sittinon-Sawatdemongkol/ComLab-Git.git
git branch -M main
git push -u origin main
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Import code

ProTip! Use the URL for this page when adding GitHub as a remote.

สร้าง Repository สำเร็จ

```

Admin@SCM-20190602BIS MINGW64 ~
$ ls
'3D Objects'/
AppData/
'Application Data'@
Contacts/
Cookies@
'Creative Cloud Files'/
Desktop/
Documents/
Downloads/
Favorites/
Links/
'Local Settings'@
MicrosoftEdgeBackups/
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{fc5b55cf-8a63-11eb-8b99-88d7f63d6ed3}.TM.b1f
NTUSER.DAT{fc5b55cf-8a63-11eb-8b99-88d7f63d6ed3}.TMContainer000000000000000000
1.regtrans-ms
NTUSER.DAT{fc5b55cf-8a63-11eb-8b99-88d7f63d6ed3}.TMContainer000000000000000000
2.regtrans-ms
NetHood@
Nox_share/
OneDrive/
Pictures/
PrintHood@
Recent@
'Saved Games'/
Searches/
SendTo@
'Start Menu'@
Sti_Trace.log
Templates@
Twitch/
Videos/
ansel/
configuration-Office2019Enterprise.xml
configuration-Office2021Enterprise.xml
configuration-Office365-x64.xml
configuration-Office365-x86.xml
curseForge/
d4ac4633ebd6440fa397b84f1bc94a3c.7z
inittk.ini
inst.ini
ntuser.dat.LOG1

```

แสดงรายการไฟล์ขึ้นมาโดยคำสั่ง \$ ls

```

MINGW64:/c/Users/Admin/CL2565

Admin@SCM-20190602BIS MINGW64 ~
$ mkdir CL2565

Admin@SCM-20190602BIS MINGW64 ~
$ cd CL2565

Admin@SCM-20190602BIS MINGW64 ~/CL2565
$

```

สร้างโฟลเดอร์ชื่อ CL2565 และย้ายเข้าไปในไฟล์ CL2565

```
MINGW64:/c/Users/Admin/CL2565

Admin@SCM-20190602BIS MINGW64 ~
$ mkdir CL2565

Admin@SCM-20190602BIS MINGW64 ~
$ cd CL2565

Admin@SCM-20190602BIS MINGW64 ~/CL2565
$ git clone https://github.com/Sittinon-Sawatdemongkol/ComLab-Git.git
Cloning into 'ComLab-Git'...
warning: You appear to have cloned an empty repository.

Admin@SCM-20190602BIS MINGW64 ~/CL2565
$ ls
ComLab-Git/

Admin@SCM-20190602BIS MINGW64 ~/CL2565
$
```

โคลน repository มาไว้ในเครื่อง

```
MINGW64:/c/Users/Admin/CL2565/ComLab-Git

Admin@SCM-20190602BIS MINGW64 ~/CL2565
$ git clone https://github.com/Sittinon-Sawatdemongkol/ComLab-Git.git
Cloning into 'ComLab-Git'...
warning: You appear to have cloned an empty repository.

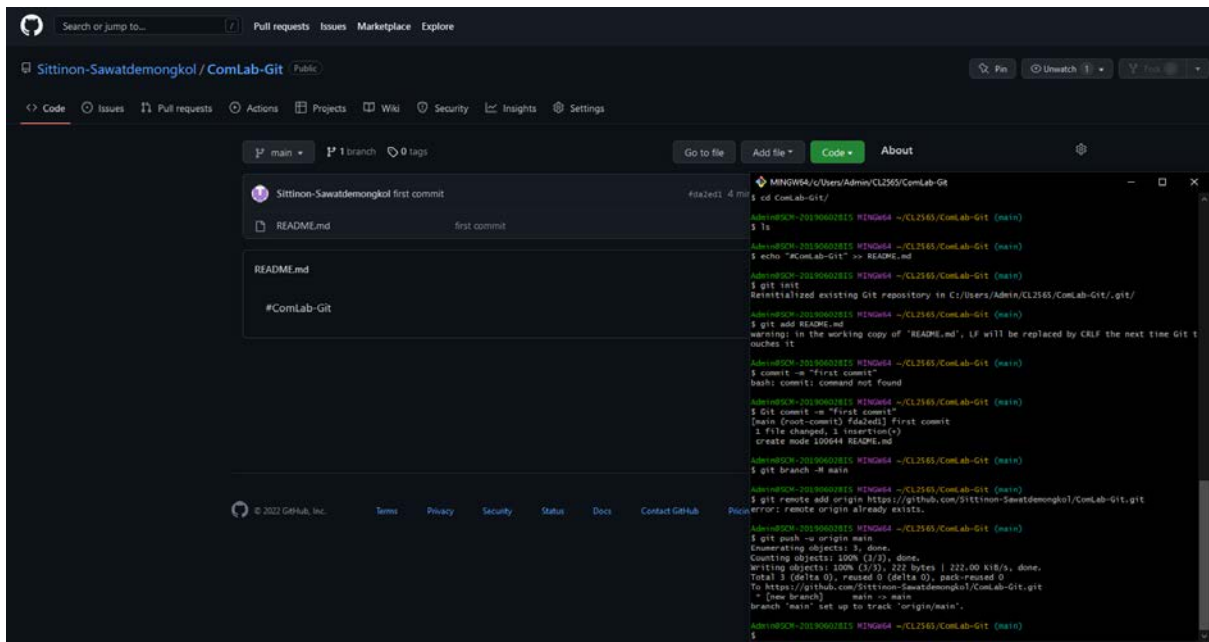
Admin@SCM-20190602BIS MINGW64 ~/CL2565
$ ls
ComLab-Git/

Admin@SCM-20190602BIS MINGW64 ~/CL2565
$ cd ComLab-Git/

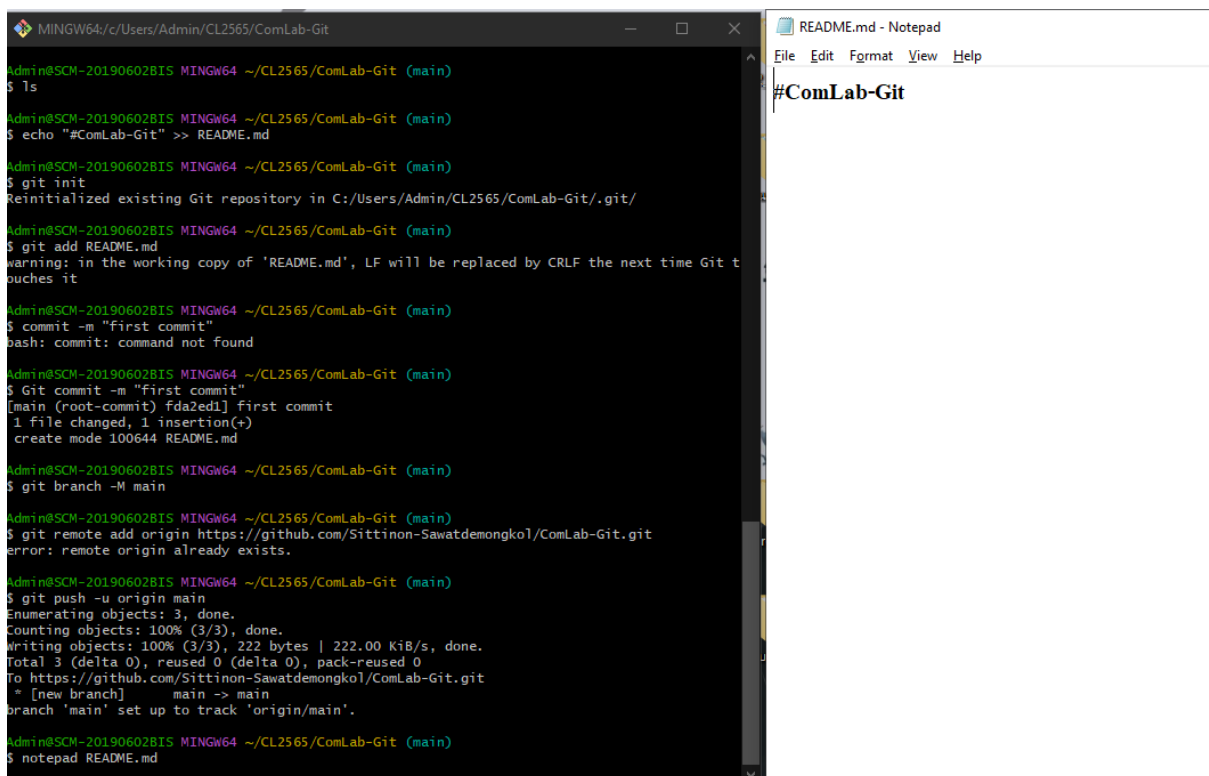
Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ ls

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$
```

เรียกดูตำแหน่งไฟล์และย้ายเข้าไปอยู่ในไฟล์ ComLab-Git



ส่งไฟล์ README.md ขึ้นไปใน github



ใช้คำสั่ง \$ notepad! เพื่อเปิดไฟล์ README.md ขึ้นมา

```

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ |

```

ตรวจสอบสถานะการเปลี่ยนแปลงของไฟล์ README.md

```

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ |

```

เพิ่มไฟล์ README.md ในcommit

```

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git commit -m "Edited by <Sittinon>"
[main a49fec0] Edited by <Sittinon>
 1 file changed, 3 insertions(+)

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

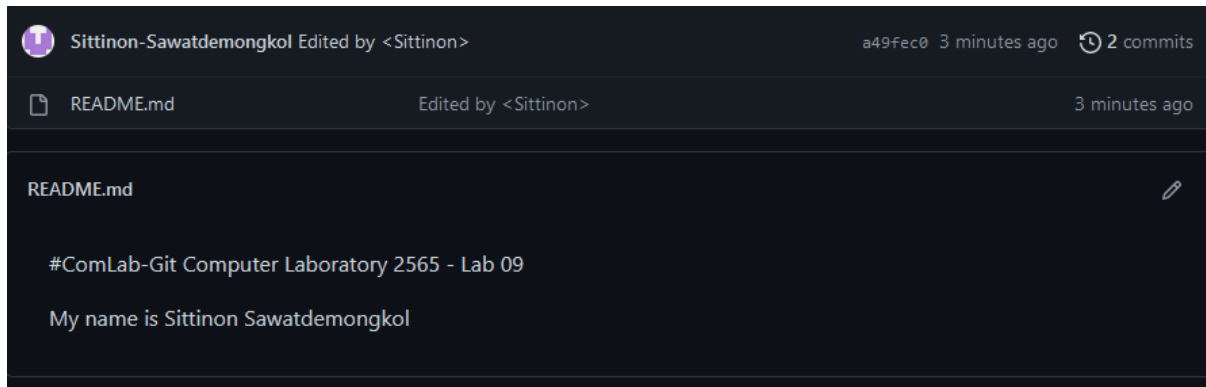
nothing to commit, working tree clean

```

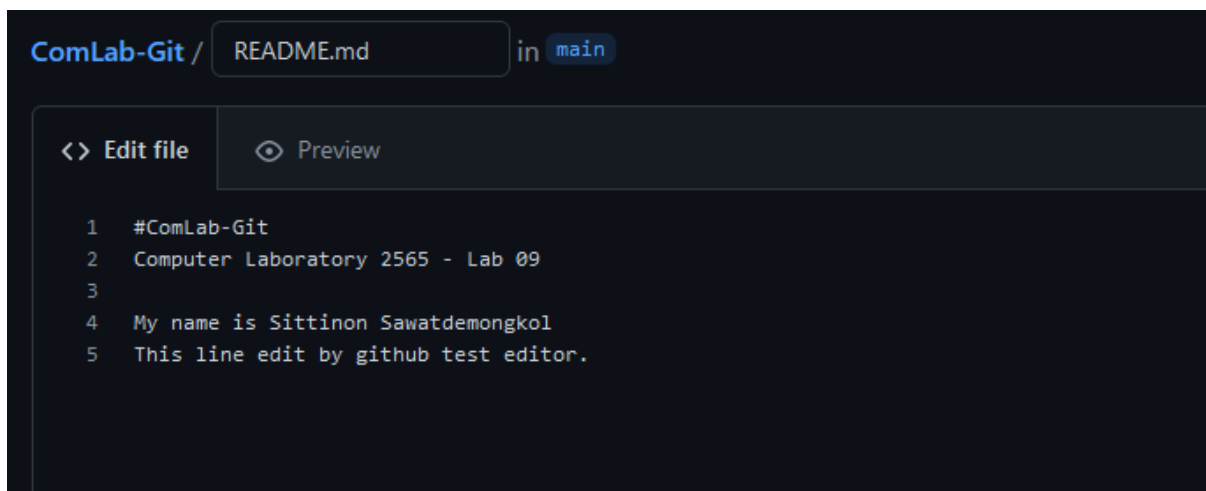
Commit README.md ใ้ repository

```
Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 323 bytes | 323.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Sittinon-Sawatdemongkol/ComLab-Git.git
   fda2ed1..a49fec0  main -> main
```

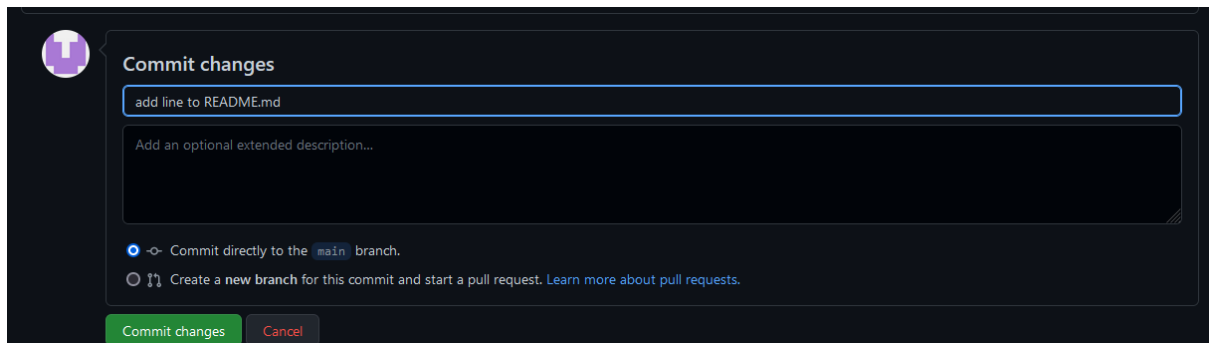
ใช้คำสั่ง Push ไฟล์ README.md เข้าสู่ Sever



ไฟล์ได้รับการอัปเดต



เพิ่มความโดยใช้ github text editor



เพิ่มความในช่อง commit change

```
Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

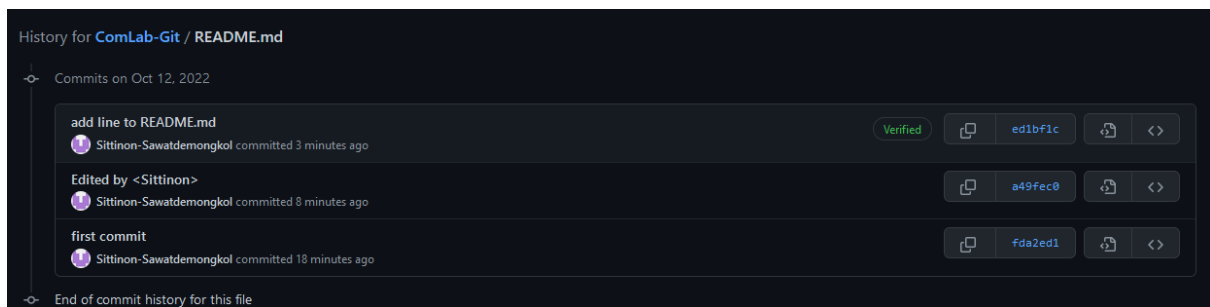
Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 740 bytes | 49.00 KiB/s, done.
From https://github.com/Sittinon-Sawatdemongkol/ComLab-Git
   a49fec0..ed1bf1c  main       -> origin/main
Updating a49fec0..ed1bf1c
Fast-forward
 README.md | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)

Admin@SCM-20190602BIS MINGW64 ~/CL2565/ComLab-Git (main)
$
```

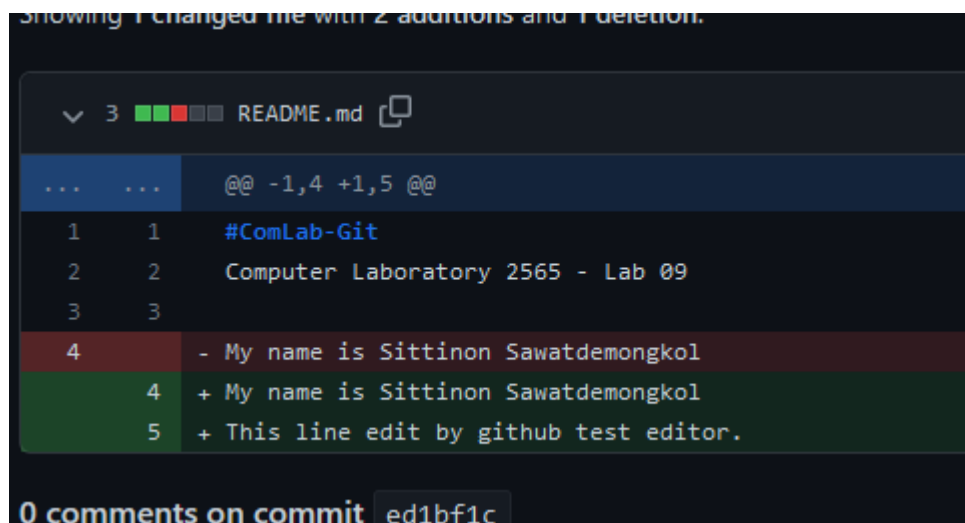
ดึงไฟล์ README.md เข้ามาในเครื่อง



เปิดไฟล์ README.md เพื่อตรวจสอบความเปลี่ยนแปลง



ดูประวัติการแก้ไขไฟล์



ตรวจสอบว่าไฟล์ถูกแก้ไขตรงส่วนไหน