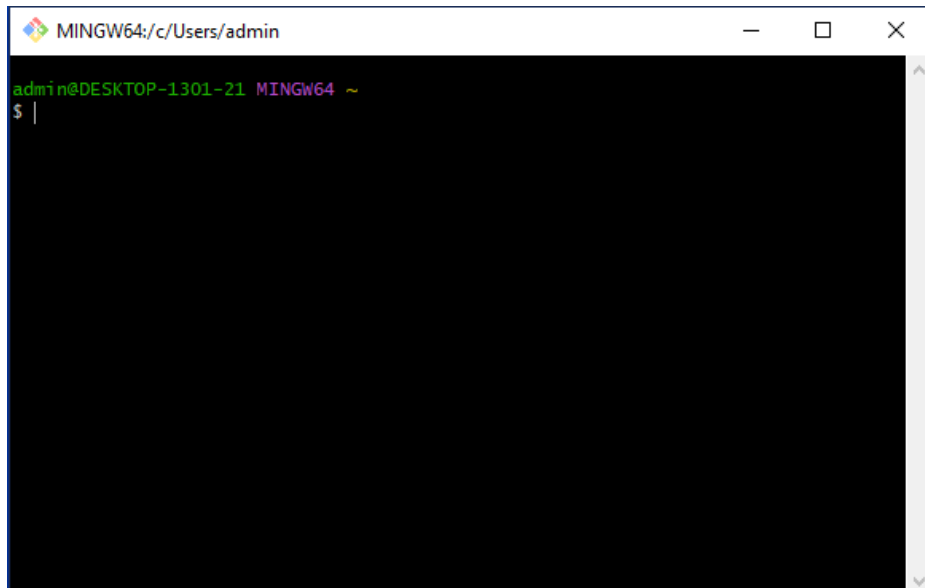


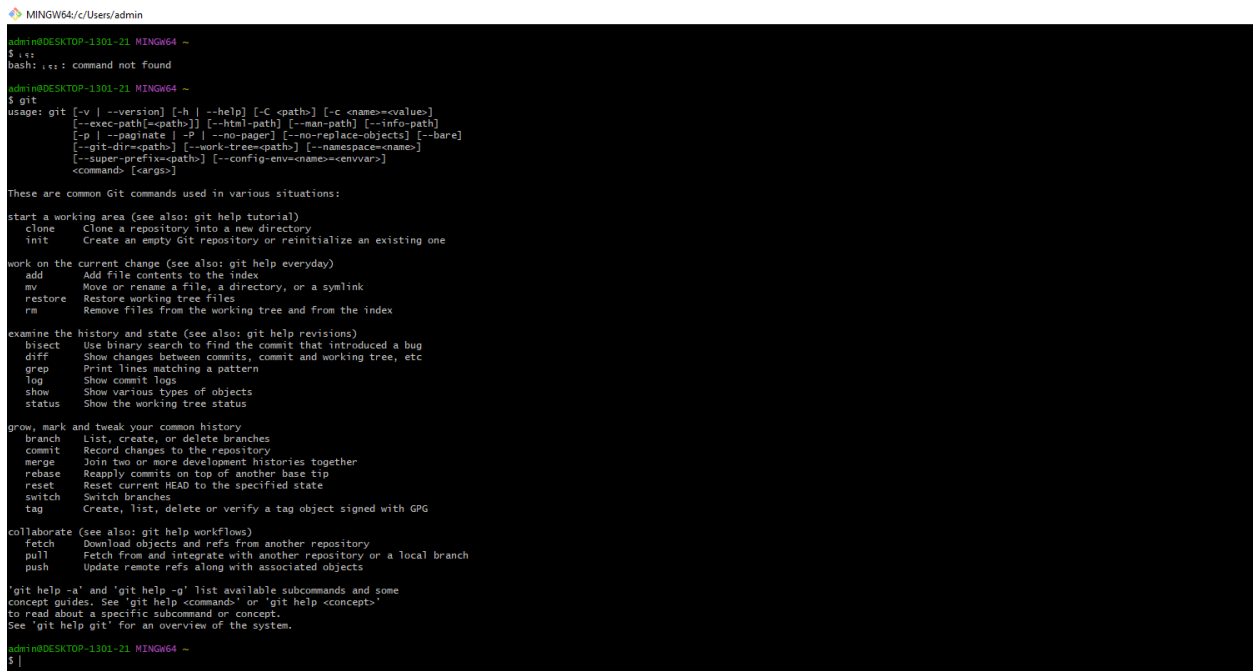
### 1.2.3 โปรแกรมตั้งขึ้นมา



```
MINGW64/c/Users/admin

admin@DESKTOP-1301-21 MINGW64 ~
$ |
```

### 1.2.4 มีคำสั่งของ git แสดงขึ้นมา



```
MINGW64/c/Users/admin

admin@DESKTOP-1301-21 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 -p' 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@DESKTOP-1301-21 MINGW64 ~
$ |
```

### 1.2.5 บอกให้ git รู้จักชื่อ username และตรวจดู username

```
MINGW64:/c/Users/admin
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@DESKTOP-1301-21 MINGW64 ~
$ git config --global user.name "USER NAME"

admin@DESKTOP-1301-21 MINGW64 ~
$ git config user.name
USER NAME

admin@DESKTOP-1301-21 MINGW64 ~
$ git config --global user.name "RachataS"

admin@DESKTOP-1301-21 MINGW64 ~
$ git config user.name
RachataS

admin@DESKTOP-1301-21 MINGW64 ~
$
```

### 1.2.6 บอกให้ git รู้จัก email และ ตรวจดู email

```
MINGW64:/c/Users/admin
fatal: not in a git directory

admin@DESKTOP-1301-21 MINGW64 ~
$ git config user.name
RachataS

admin@DESKTOP-1301-21 MINGW64 ~
$ git config --global user.email "64030161@kmitl.ac.th"

admin@DESKTOP-1301-21 MINGW64 ~
$ git config user.email

admin@DESKTOP-1301-21 MINGW64 ~
$ git config user.email

admin@DESKTOP-1301-21 MINGW64 ~
$ git config --global user.email "64030161@kmitl.ac.th"

admin@DESKTOP-1301-21 MINGW64 ~
$ git config user.email
64030161@kmitl.ac.th


admin@DESKTOP-1301-21 MINGW64 ~
$
```

## 1.3 สร้าง repository

### Create a new repository

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

Owner \*

 RachataS ▾

/

Repository name \*

COMLAB-git



Great repository names are short and memorable. Need inspiration? How about **super-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 ▾





You are creating a public repository in your personal account.

Create repository


## สร้าง repository สำเร็จ

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

 Set up in Desktop or **HTTPS** **SSH**  


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/RachataS/COMLAB-git.git
git push -u origin main
```

---

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

```
git remote add origin https://github.com/RachataS/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.

## 1.4 แสดงรายการไฟล์ขึ้นมาโดยใช้คำสั่ง \$ ls

```
admin@DESKTOP-1301-21 MINGW64 ~
$ ls
'3D Objects'/
AppData/
'Application Data'@
Contacts/
Cookies@
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
'Local Settings'@
MicrosoftEdgeBackups/
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{64fc00a7-d613-11ea-adf1-bee2781e222d}.TM.b1f
NTUSER.DAT{64fc00a7-d613-11ea-adf1-bee2781e222d}.TMContainer000000000000000000
1.regtrans-ms
NTUSER.DAT{64fc00a7-d613-11ea-adf1-bee2781e222d}.TMContainer000000000000000000
2.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
'Saved Games'/
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
```

สร้างโฟลเดอร์สำหรับเก็บงานชื่อ CL2565 และย้ายตำแหน่ง CL2565

```
MINGW64:/c/Users/admin/CL2565
2.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
'Saved Games'/
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

admin@DESKTOP-1301-21 MINGW64 ~
$ mkdir CL2565

admin@DESKTOP-1301-21 MINGW64 ~
$ cd CL2565

admin@DESKTOP-1301-21 MINGW64 ~/CL2565
$ |
```

โคลน repository มาไว้ในเครื่อง

```
MINGW64:/c/Users/admin/CL2565/CL2565
$ cd CL2565/

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls
ls: cannot open directory '.': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ mkdir CL2565
mkdir: cannot create directory 'CL2565': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls CL2565/
ls: cannot access 'CL2565/': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ git clone https://github.com/RachataS/COMLAB-git.git
Cloning into 'COMLAB-git'...
warning: You appear to have cloned an empty repository.

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ |
```

เรียกดูตำแหน่งไฟล์

```
MINGW64:/c/Users/admin/CL2565/CL2565
ls: cannot open directory '.': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ mkdir CL2565
mkdir: cannot create directory 'CL2565': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls CL2565/
ls: cannot access 'CL2565/': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ git clone https://github.com/RachataS/COMLAB-git.git
Cloning into 'COMLAB-git'...
warning: You appear to have cloned an empty repository.

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls
COMLAB-git/

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ |
```

ไฟล์ COMLAB-git จะอยู่ในไฟล์ CL2565

```
MINGW64:/c/Users/admin/CL2565/CL2565/COMLAB-git
$ ls CL2565/
ls: cannot access 'CL2565/': No such file or directory

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ git clone https://github.com/RachataS/COMLAB-git.git
Cloning into 'COMLAB-git'...
warning: You appear to have cloned an empty repository.

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ ls
COMLAB-git/

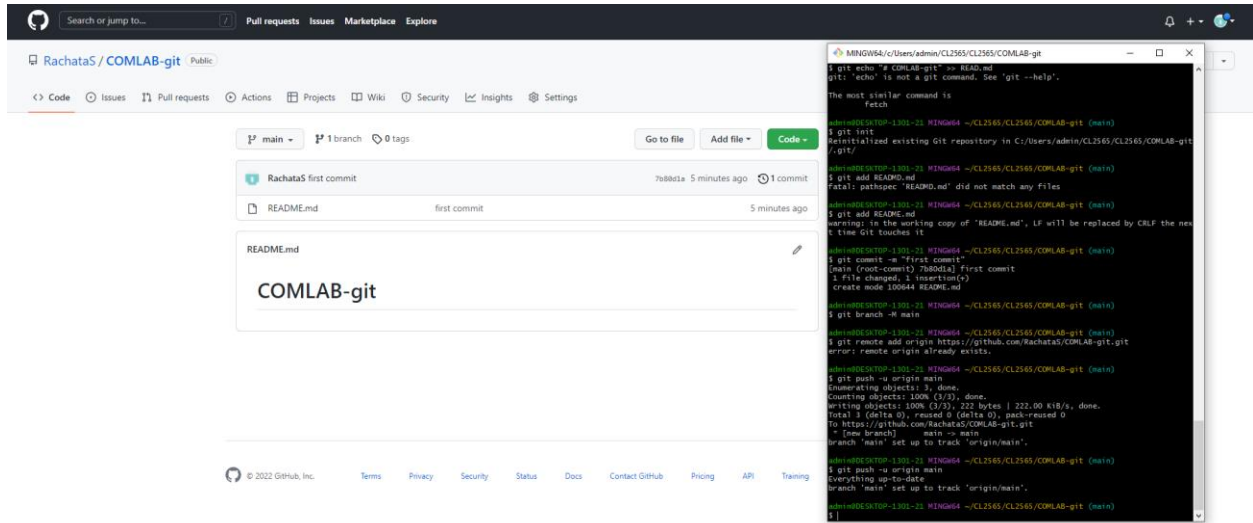
admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565
$ cd COMLAB-git/

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565/COMLAB-git (main)
$ สห
bash: สห: command not found

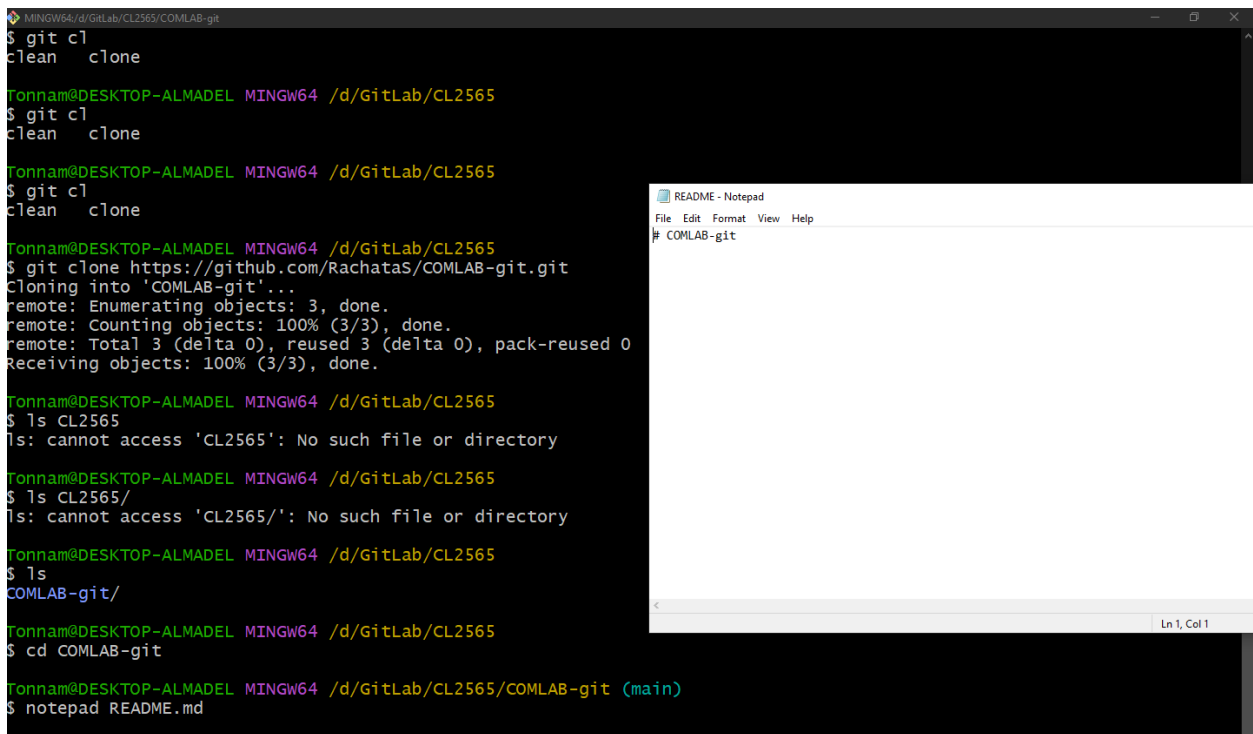
admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565/COMLAB-git (main)
$ ls

admin@DESKTOP-1301-21 MINGW64 ~/CL2565/CL2565/COMLAB-git (main)
$ |
```

ส่งไฟล์ README.md ขึ้นไปที่ github



1.5.1 ระบบเปิดไฟล์ README.md ขึ้นมา



ใส่ชื่อลงใน README.md

```
*README - Notepad
File Edit Format View Help
# COMLAB-git
Computer Laboratory 2565 - Lab 09

My name is Rachata Supanurak
```

Git ติดตามการเปลี่ยนแปลงของไฟล์ README แลพแนะนำให้อัปเดตการเปลี่ยนแปลง

```
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565
$ ls CL2565
ls: cannot access 'CL2565': No such file or directory

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565
$ ls CL2565/
ls: cannot access 'CL2565/': No such file or directory

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565
$ ls
COMLAB-git/

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565
$ cd COMLAB-git

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ notepad README.md

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/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")

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$
```



## 1.5.2 เพิ่มไฟล์ README.md ใน commit

```
MINGW64/d/GitLab/CL2565/COMLAB-git
Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565
$ ls
COMLAB-git/

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565
$ cd COMLAB-git

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ notepad README.md

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/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")

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git add README.md

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/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

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$
```

## Commit README.md เข้าสู่ repository

```
MINGW64/d/GitLab/CL2565/COMLAB-git
Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git commit -m "Edited by <RachataS>"
[main f45fc0d] Edited by <RachataS>
1 file changed, 3 insertions(+)

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage  stash  status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage  stash  status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage  stash  status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage  stash  status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage  stash  status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage  stash  status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/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
```

## 1.6.1 Push ไฟล์ README.md เข้าสู่ sever

```

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage    stash    status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage    stash    status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage    stash    status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git sta
stage    stash    status

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/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

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 321 bytes | 321.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RachataS/COMLAB-git.git
  7b80d1a..f45fc0d  main -> main

Tonnam@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ |

```

ไฟล์ README.md ได้รับการอัปเดต

main

1 branch

0 tags

Go to file

Add file

Code

RachataS Edited by <RachataS>

f45fc0d 12 minutes ago

2 commits

README.md

Edited by <RachataS>

12 minutes ago

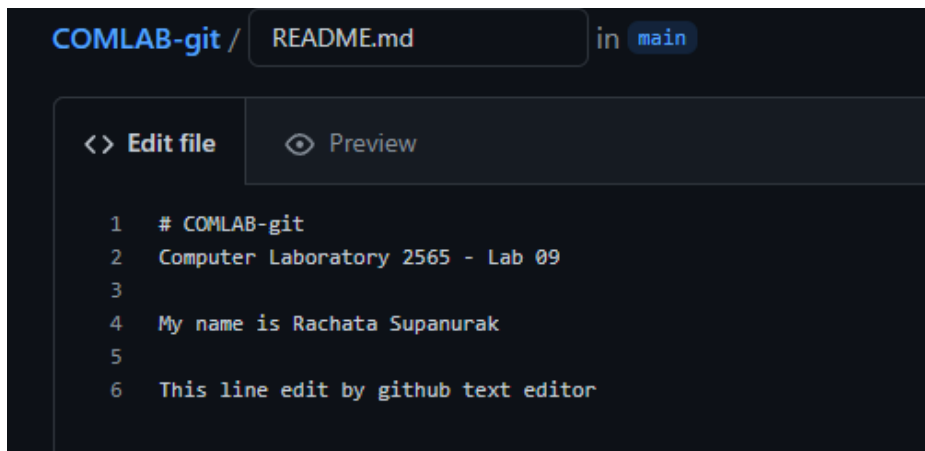
README.md

COMLAB-git

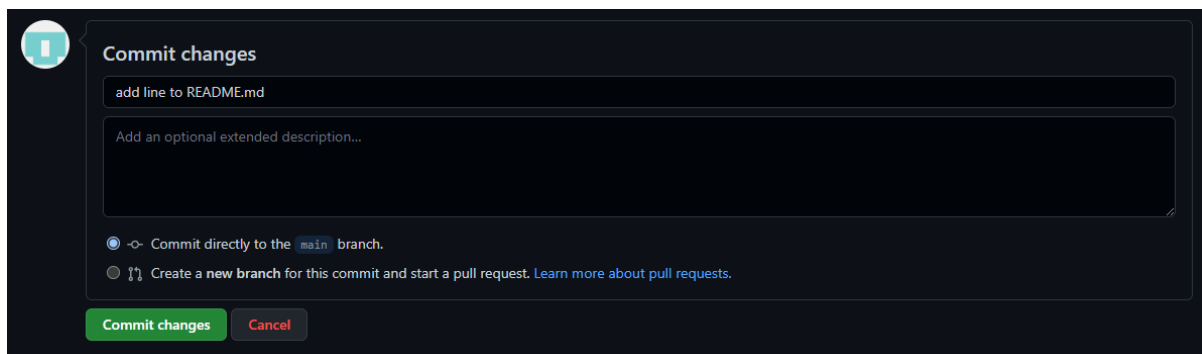
Computer Laboratory 2565 - Lab 09

My name is Rachata Supanurak

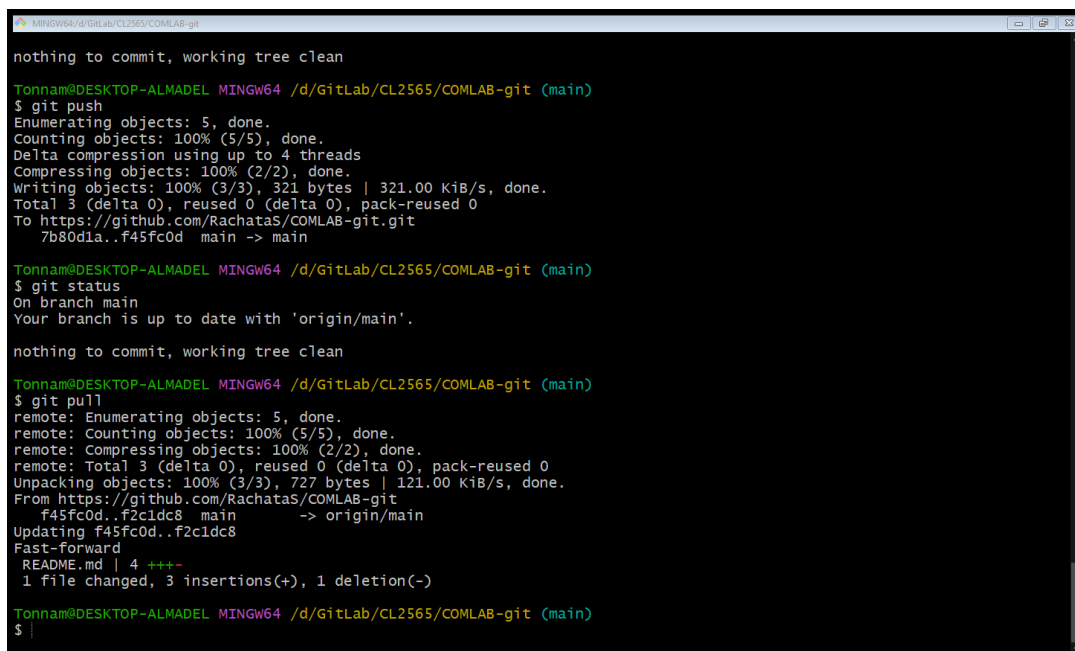
## 1.6.2 เพิ่มข้อความโดยใช้ github text editor



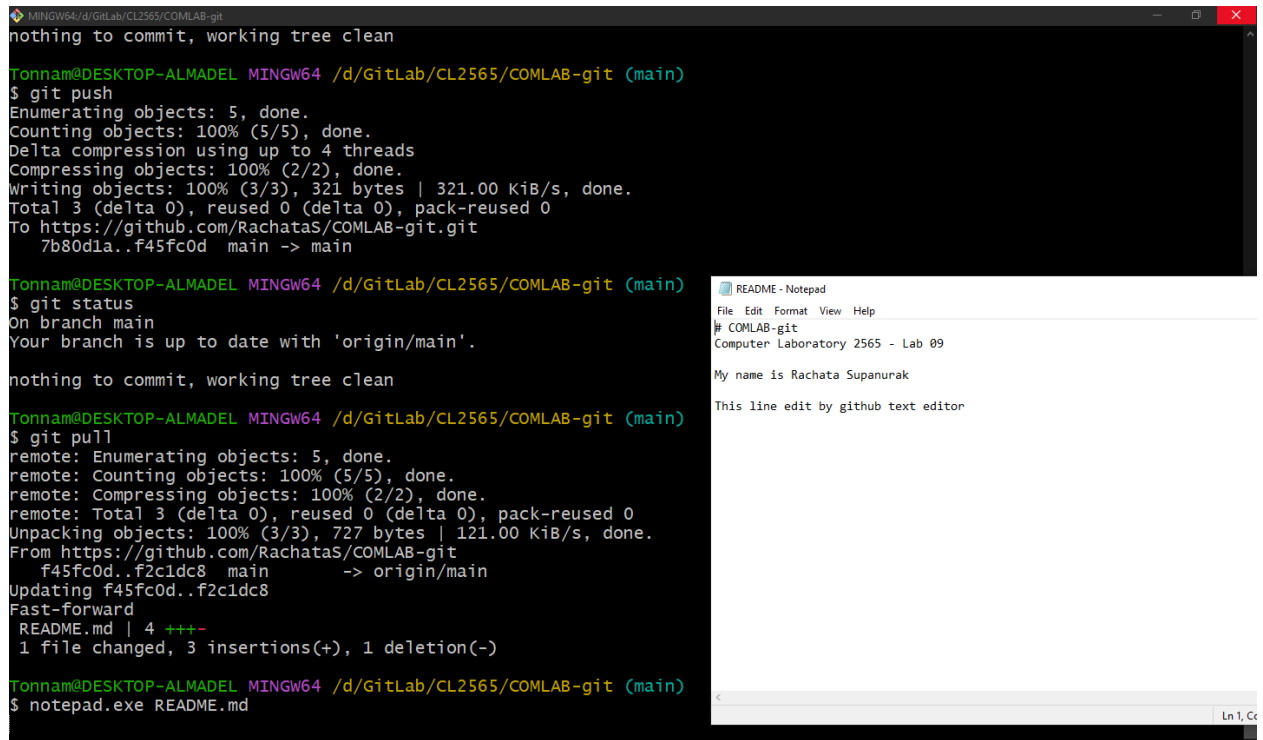
## เพิ่มข้อความในช่อง commit change



## ดึงไฟล์ README.md เข้ามาที่เครื่อง



เปิดไฟล์ README.md เพื่อตรวจสอบความเปลี่ยนแปลง



The screenshot shows a terminal window on the left and a Notepad window on the right. The terminal window displays the following commands and output:

```
nothing to commit, working tree clean

Tonnarn@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 321 bytes | 321.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RachataS/COMLAB-git.git
7b80d1a..f45fc0d main -> main

Tonnarn@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Tonnarn@DESKTOP-ALMADEL MINGW64 /d/GitLab/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), 727 bytes | 121.00 KiB/s, done.
From https://github.com/RachataS/COMLAB-git
f45fc0d..f2c1dc8 main -> origin/main
Updating f45fc0d..f2c1dc8
Fast-forward
 README.md | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

Tonnarn@DESKTOP-ALMADEL MINGW64 /d/GitLab/CL2565/COMLAB-git (main)
$ notepad.exe README.md
```

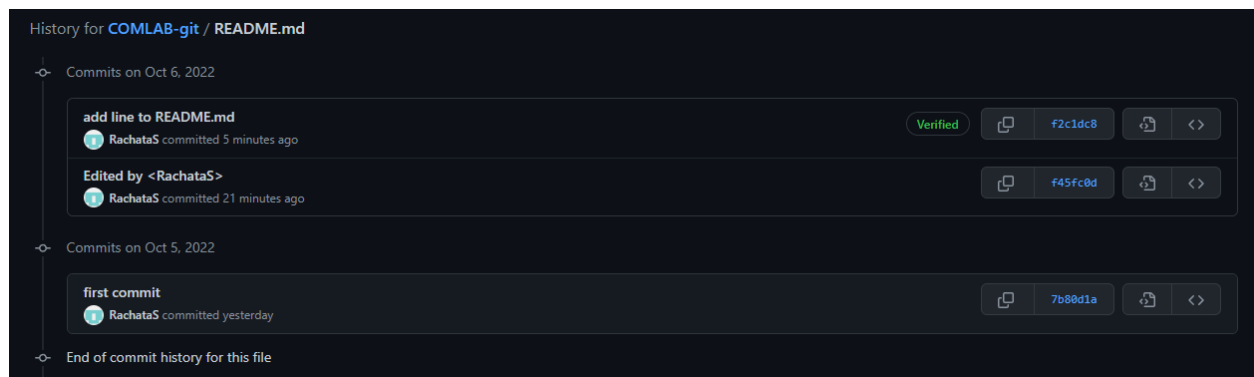
The Notepad window on the right shows the content of the README.md file:

```
COMLAB-git
Computer Laboratory 2565 - Lab 09

My name is Rachata Supanurak

This line edit by github text editor
```

ดูประวัติการแก้ไขของไฟล์ README.md



The screenshot shows the GitHub commit history for the file README.md. The history is organized by date, with commits from October 6, 2022, and October 5, 2022.

**Commits on Oct 6, 2022**

- add line to README.md**  
RachataS committed 5 minutes ago  
Verified | f2c1dc8
- Edited by <RachataS>**  
RachataS committed 21 minutes ago  
f45fc0d

**Commits on Oct 5, 2022**

- first commit**  
RachataS committed yesterday  
7b80d1a

End of commit history for this file

ตรวจสอบว่า ไฟล์ README.md ถูกแก้ไขตรงส่วนไหน

add line to README.md

main

RachataS committed 7 minutes ago Verified

1 parent f45fc0d commit f2c1dc9bc4c58f9126287c6e3feaf68d11d5c109

Showing 1 changed file with 3 additions and 1 deletion.

4 README.md

1 1

2 2

3 3

4 4

5 5

6 6

# COMLAB git

Computer Laboratory 2565 - Lab 09

- My name is Rachata Supanurak

+ My name is Rachata Supanurak

+

+ This line edit by github text editor

0 comments on commit f2c1dc8 Lock conversation

Write Preview

H B I

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Comment on this commit

Unsubscribe

You're receiving notifications because you're watching this repository.