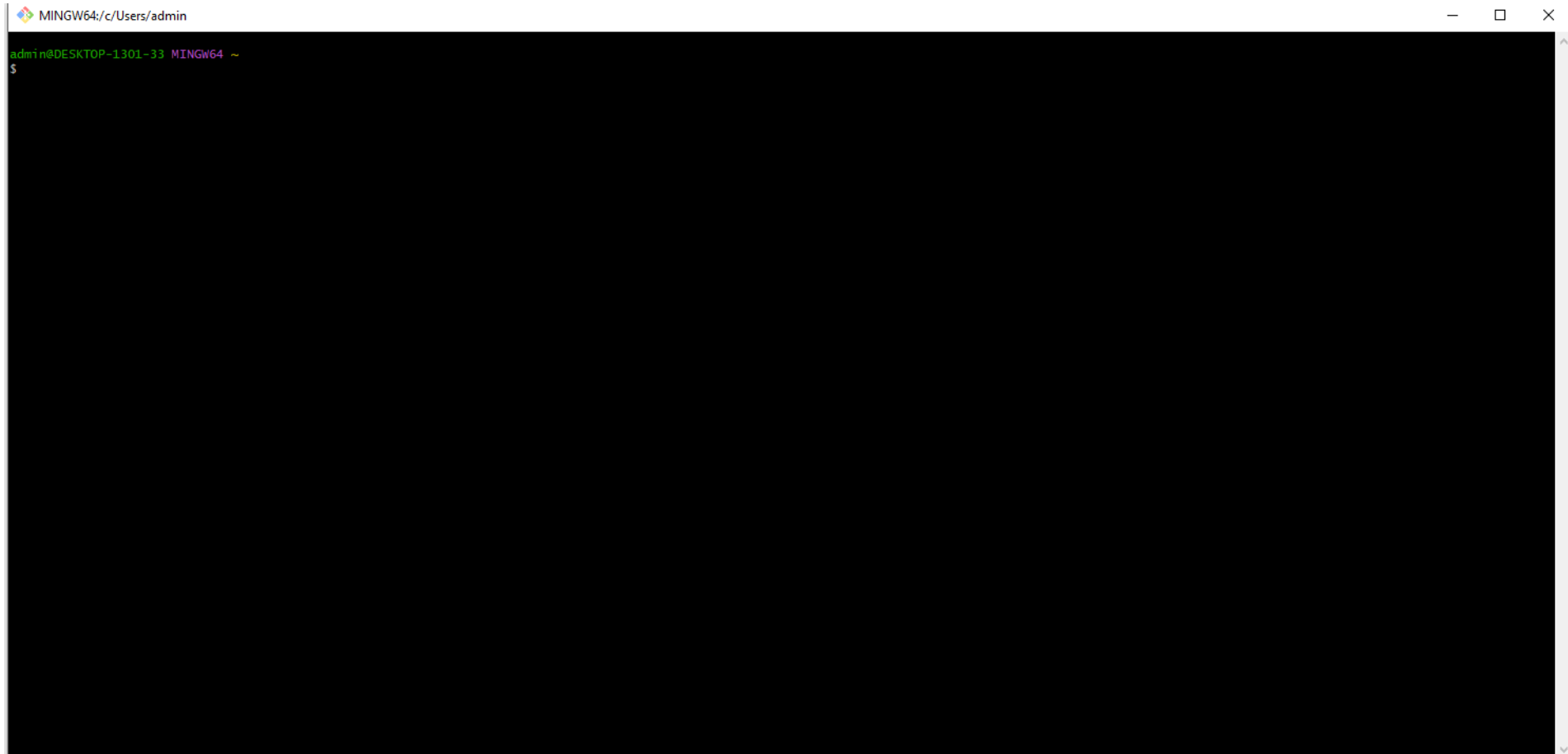


## 1.2.3 โปรแกรมตั้งขึ้นมา



## 1.2.4 มีคำสั่งของ git ขึ้นมา

```
MINGW64/c/Users/admin
$ 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

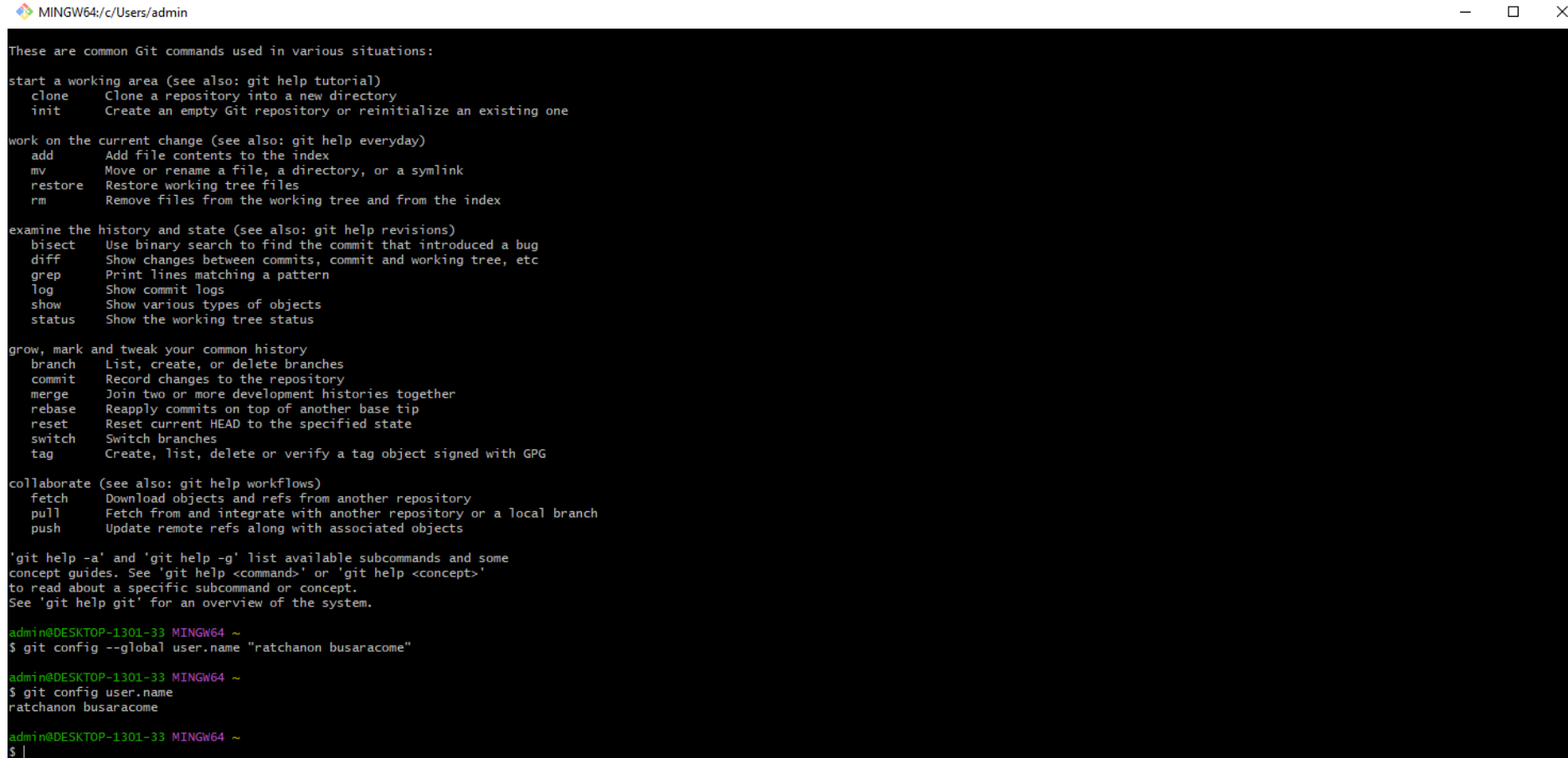

grow, mark and tweak your common history
  branch     List, create, or delete branches
  commit     Record changes to the repository
  merge      Join two or more development histories together
  rebase     Reapply commits on top of another base tip
  reset      Reset current HEAD to the specified state
  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@DESKTOP-1301-33 MINGW64 ~
$
```

## 1.2.5 บอกให้ git รู้จักชื่อ username และตรวจสอบ username



MINGW64: c:/Users/admin

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@DESKTOP-1301-33 MINGW64 ~  
\$ git config --global user.name "ratchanon busaracome"

admin@DESKTOP-1301-33 MINGW64 ~  
\$ git config user.name  
ratchanon busaracome

admin@DESKTOP-1301-33 MINGW64 ~  
\$ |

## 1.2.6 บอกให้ git รู้จัก email และตรวจสอบ email

```
MINGW64:/c/Users/admin
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@DESKTOP-1301-33 MINGW64 ~
$ gitgit config --global user.name "RatchanonBusaracome"
bash: gitgit: command not found

admin@DESKTOP-1301-33 MINGW64 ~
$ git config user.name
RatchanonBusaracome

admin@DESKTOP-1301-33 MINGW64 ~
$ git config user.email
64030165@kmitl.ac.th

admin@DESKTOP-1301-33 MINGW64 ~
$
```

# 1.3 สร้าง repository

The screenshot shows the GitHub web interface for a repository named 'RatchanonBusaracome / CL65-01'. The page is in the 'Code' tab. A light blue box titled 'Quick setup — if you've done this kind of thing before' provides instructions. It includes a 'Set up in Desktop' button, an 'or' separator, and 'HTTPS' and 'SSH' tabs. The 'HTTPS' tab shows the URL 'https://github.com/RatchanonBusaracome/CL65-01.git'. Below this, it says 'Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.' The next section, '...or create a new repository on the command line', contains a code block with the following commands:

```
echo "# CL65-01" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/RatchanonBusaracome/CL65-01.git
git push -u origin main
```

The following section, '...or push an existing repository from the command line', contains a code block with the following commands:

```
git remote add origin https://github.com/RatchanonBusaracome/CL65-01.git
git branch -M main
git push -u origin main
```

The final section, '...or import code from another repository', states 'You can initialize this repository with code from a Subversion, Mercurial, or TFS project.' and includes an 'Import code' button. At the bottom, a 'ProTip!' note says 'Use the URL for this page when adding GitHub as a remote.'

# 1.4 สร้างรายการไฟล์ขึ้นมาโดยใช้คำสั่ง ls

```
MINGW64/c/Users/admin
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@DESKTOP-1301-33 MINGW64 ~
$ git config --global user.name "RatchanonBusaracome"
bash: gitgit: command not found

admin@DESKTOP-1301-33 MINGW64 ~
$ git config user.name
RatchanonBusaracome

admin@DESKTOP-1301-33 MINGW64 ~
$ git config user.email
r4030165@kmitl.ac.th

admin@DESKTOP-1301-33 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[{f2c8a32a-7e8e-11e9-8f18-8cec4bce8ca1}.TM.blf
NTUSER.DAT[{f2c8a32a-7e8e-11e9-8f18-8cec4bce8ca1}.TM.Container00000000000000000001.regtrans-ms
NTUSER.DAT[{f2c8a32a-7e8e-11e9-8f18-8cec4bce8ca1}.TM.Container00000000000000000002.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-1301-33 MINGW64 ~
$ |
```

# สร้างไฟล์เคอสำหรับเก็บงานชื่อ CL2565 ตำแหน่ง CL2565

```
Application Data\
Contacts/
Cookies\
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
Local Settings\
MicrosoftEdgeBackups/
Music/
My Documents\
NTUSER.DAT
NTUSER.DAT[f2c8a32a-7e8e-11e9-8f18-8cec4bce8ca1].TM.b1f
NTUSER.DAT[f2c8a32a-7e8e-11e9-8f18-8cec4bce8ca1].TMContainer00000000000000000001.regtrans-ms
NTUSER.DAT[f2c8a32a-7e8e-11e9-8f18-8cec4bce8ca1].TMContainer00000000000000000002.regtrans-ms
NetHood\
OneDrive/
Pictures/
PrintHood\
Recent\
Saved Games\
Searches/
SendTo\
Start Menu\
Templates\
Videos/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.tmp

admin@DESKTOP-1301-33 MINGW64 ~
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~
$ cd CL2565

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ ls

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ ls
CL2565/

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ cd ..

admin@DESKTOP-1301-33 MINGW64 ~
$ mkdir d

admin@DESKTOP-1301-33 MINGW64 ~
$ cd d

admin@DESKTOP-1301-33 MINGW64 ~/d
$ mkdir Github-CompLabI

admin@DESKTOP-1301-33 MINGW64 ~/d
$ cd Github-CompLabI/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ cd CL2565/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ |
```

# โคลน repository มาใช้ในเครื่อง

```
MicrosoftEdgeBackups/
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT[f2c8a32a-7e8e-11e9-8f18-8ce4bce8ca1].TM.b1f
NTUSER.DAT[f2c8a32a-7e8e-11e9-8f18-8ce4bce8ca1].TMContainer00000000000000000001.regtrans-ms
NTUSER.DAT[f2c8a32a-7e8e-11e9-8f18-8ce4bce8ca1].TMContainer00000000000000000002.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-1301-33 MINGW64 ~
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~
$ cd CL2565

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ ls

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ ls
CL2565/

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ cd ..

admin@DESKTOP-1301-33 MINGW64 ~
$ mkdir d

admin@DESKTOP-1301-33 MINGW64 ~
$ cd d

admin@DESKTOP-1301-33 MINGW64 ~/d
$ mkdir Github-CompLabI

admin@DESKTOP-1301-33 MINGW64 ~/d
$ cd Github-CompLabI/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ cd CL2565/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ git clone https://github.com/RatchanonBusaracome/CL65-01.git
Cloning into 'CL65-01'...
fatal: protocol 'https' is not supported

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ git clone https://github.com/RatchanonBusaracome/CL65-01.git
Cloning into 'CL65-01'...
warning: You appear to have cloned an empty repository.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ |
```



# เรียกดูตำแหน่งไฟล์ CL65-01 จะอยู่ในไฟล์ CL2565

```
MINGW64/c/Users/admin/d/Github-CompLab/CL2565/CL65-01
PrintHood@
Recent@
'Saved Games'/
Searches/
SendTo@
'Start Menu'a
Templates@
Videos/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

admin@DESKTOP-1301-33 MINGW64 ~
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~
$ cd CL2565

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ ls

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ ls
CL2565/

admin@DESKTOP-1301-33 MINGW64 ~/CL2565
$ cd ..

admin@DESKTOP-1301-33 MINGW64 ~
$ mkdir d

admin@DESKTOP-1301-33 MINGW64 ~
$ cd d

admin@DESKTOP-1301-33 MINGW64 ~/d
$ mkdir Github-CompLabI

admin@DESKTOP-1301-33 MINGW64 ~/d
$ cd Github-CompLabI/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ mkdir CL2565

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ cd CL2565/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ git clone https://github.com/RatchanonBusaracome/CL65-01.git
Cloning into 'CL65-01'...
fatal: protocol 'https' is not supported

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ git clone https://github.com/RatchanonBusaracome/CL65-01.git
Cloning into 'CL65-01'...
warning: You appear to have cloned an empty repository.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ ls
CL65-01/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ cd CL65-01/

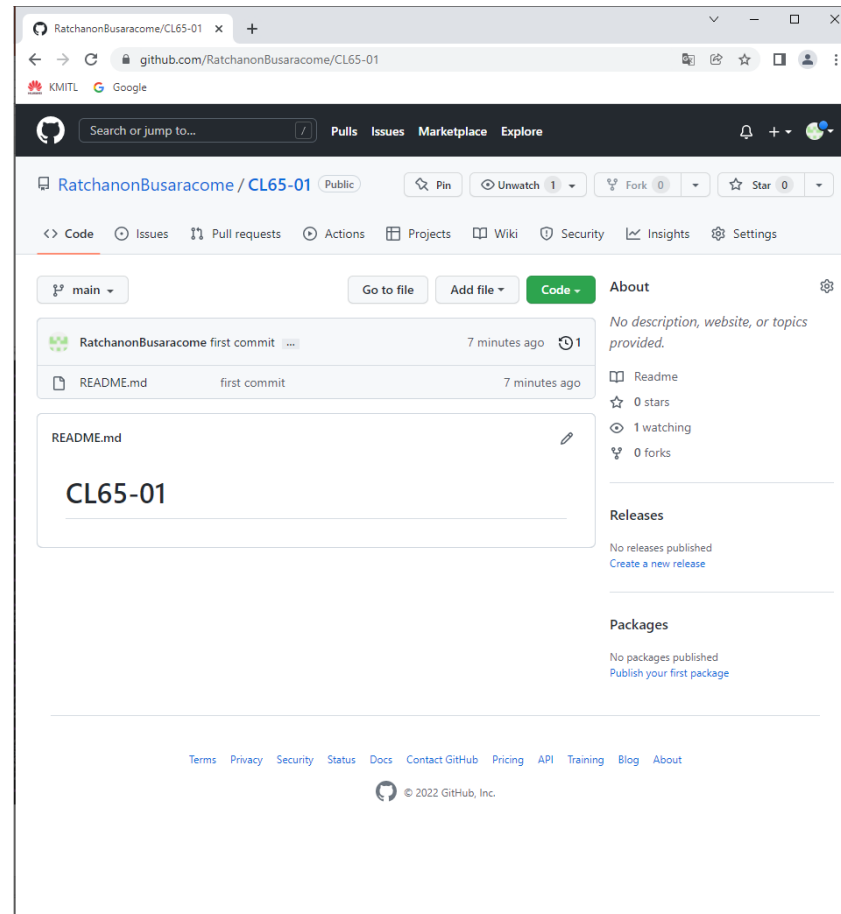
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ ls

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ |
```

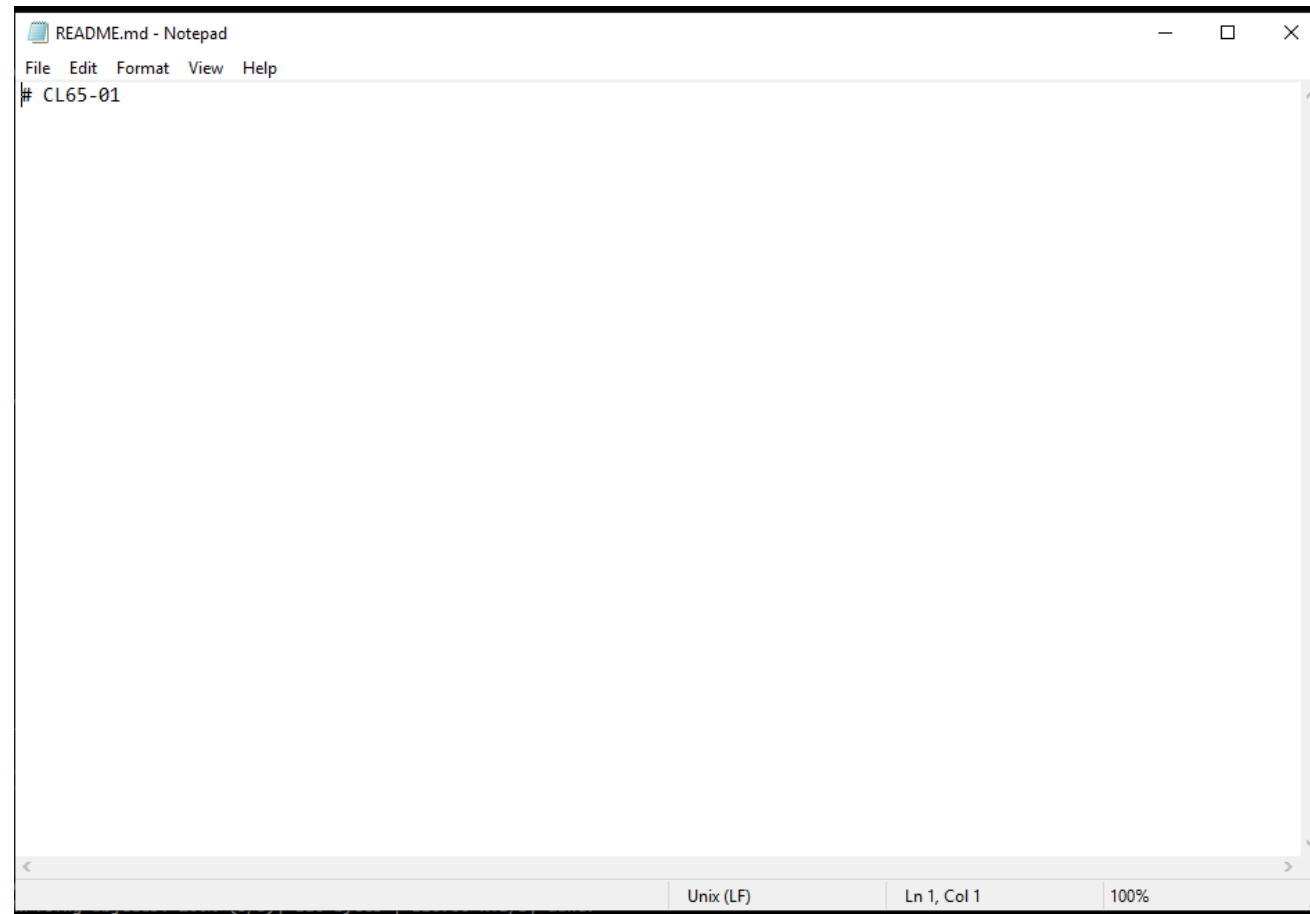
# Push ไฟล์ README.md เข้าสู่ sever

```
MINGW64: c:/Users/admin/d/Github-CompLabI/CL2565/CL65-01
$ cd Github-CompLabI/
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ mkdir CL2565
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI
$ cd CL2565/
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ git clone https://github.com/RatchanonBusaracome/CL65-01.git
Cloning into 'CL65-01'...
fatal: protocol 'https' is not supported
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ git clone https://github.com/RatchanonBusaracome/CL65-01.git
Cloning into 'CL65-01'...
warning: You appear to have cloned an empty repository.
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ ls
CL65-01/
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565
$ cd CL65-01/
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ ls
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ echo "# CL65-01" >> README.md
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git init
Reinitialized existing Git repository in C:/Users/admin/d/Github-CompLabI/CL2565/CL65-01/.git/
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git commit -m "first commit"
[main (root-commit) 2c75a59] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git branch -M main
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git remote add origin https://github.com/RatchanonBusaracome/CL65-01.git
error: remote origin already exists.
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git push -u origin main
fatal: Missing 'state' in resremote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls
for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/RatchanonBusaracome/CL65-01.git/'
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 228.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
 * [new branch] main -> main
branch 'main' set up to track 'origin/main'.
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$
```

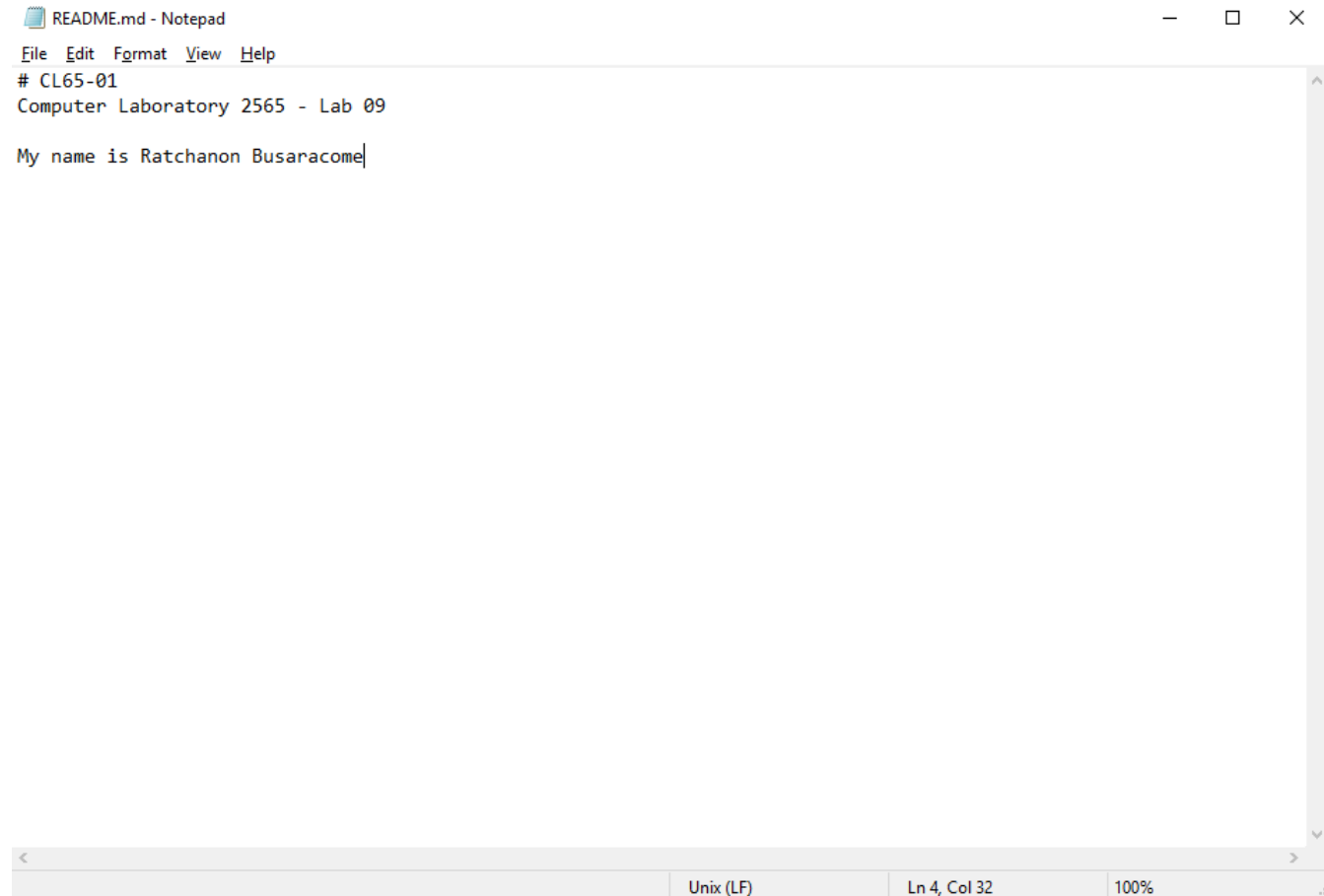
# ส่งไฟล์ README.md ขึ้นไปที่ github



# เปิดไฟล์ README.md



พิมพ์ My name is Ratchanon Busaracome เข้าไปใน  
ไฟล์ README.md



A screenshot of a Notepad window titled "README.md - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text inside the window is as follows:

```
# CL65-01
Computer Laboratory 2565 - Lab 09

My name is Ratchanon Busaracome
```

The status bar at the bottom shows "Unix (LF)", "Ln 4, Col 32", and "100%".

# Git ติดตามการเปลี่ยนแปลงของไฟล์ README.md และ แนะนำให้อัปเดตการเปลี่ยนแปลง

```
MINGW64: c:/Users/admin/d/Github-CompLab/CL2565/CL65-01
Cloning into 'CL65-01'...
warning: You appear to have cloned an empty repository.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565
$ ls
CL65-01/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565
$ cd CL65-01/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ ls

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ echo "# CL65-01" >> README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git init
Initialized existing Git repository in C:/Users/admin/d/Github-CompLab/CL2565/CL65-01/.git/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git commit -m "First commit"
[main (root-commit) 2d75a59] First commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git branch -M main

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git remote add origin https://github.com/RatchanonBusaracome/CL65-01.git
error: remote origin already exists.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git push -u origin main
fatal: Missing 'state' in resremote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls f
or information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/RatchanonBusaracome/CL65-01.git/'

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 228.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
 * [new branch]    main -> main
branch 'main' set up to track 'origin/main'.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ notepad README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ |
```

# เพิ่มไฟล์ README.md ใน commit

```
MINGW64~/c/Users/admin/d/Github-CompLabI/CL2565/CL65-01
$ echo "# CL65-01" >> README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git init
Reinitialized existing Git repository in C:/Users/admin/d/Github-CompLabI/CL2565/CL65-01/.git/

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git commit -m "first commit"
[main (root-commit) 2c75a59] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git branch -M main

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git remote add origin https://github.com/RatchanonBusaracome/CL65-01.git
error: remote origin already exists.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git push -u origin main
fatal: Missing 'state' in resremote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls f
ur information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/RatchanonBusaracome/CL65-01.git/'

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 228.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ notepad README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ |
```

# Commit README.md เข้าสู่ repository

```
MINGW64: c:/Users/admin/d/Github-CompLabI/CL2565/CL65-01
1 File changed, 1 insertion(+)
create mode 100644 README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git branch -M main

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git remote add origin https://github.com/RatchanonBusaracome/CL65-01.git
error: remote origin already exists.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git push -u origin main
fatal: Missing 'state' in resremote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/RatchanonBusaracome/CL65-01.git/'

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 228.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ notepad README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ git commit -m "Edited by Ratchanon Busaracome"
[main f266a57] Edited by Ratchanon Busaracome
1 File changed, 3 insertions(+)

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (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

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLabI/CL2565/CL65-01 (main)
$ |
```



# Push ไฟล์ README.md เข้าสู่ sever

```
MINGW64/c/Users/admin/d/Github-CompLab/CL2565/CL65-01
$ git push -u origin main
fatal: Missing 'state' in resremote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls
or information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/RatchanonBusaracome/CL65-01.git/'

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 228.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
 * [new branch] main -> main
branch 'main' set up to track 'origin/main'.

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ notepad README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git commit -m "Edited by Ratchanon Busaracome"
[main f266a57] Edited by Ratchanon Busaracome
 1 file changed, 3 insertions(+)

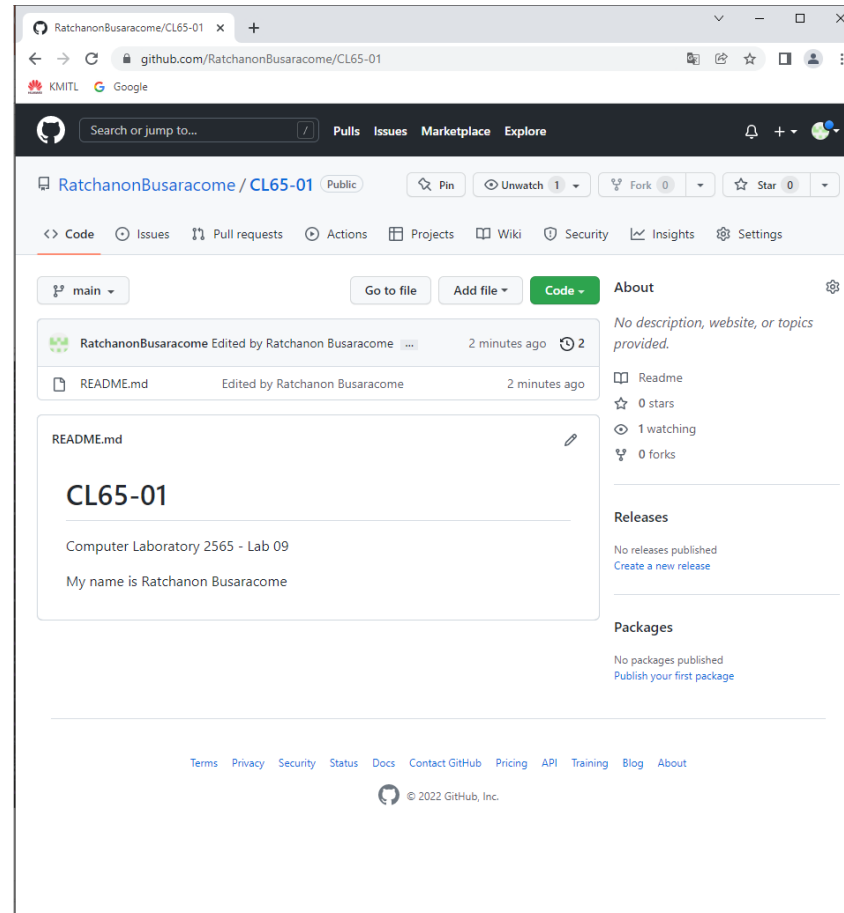
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

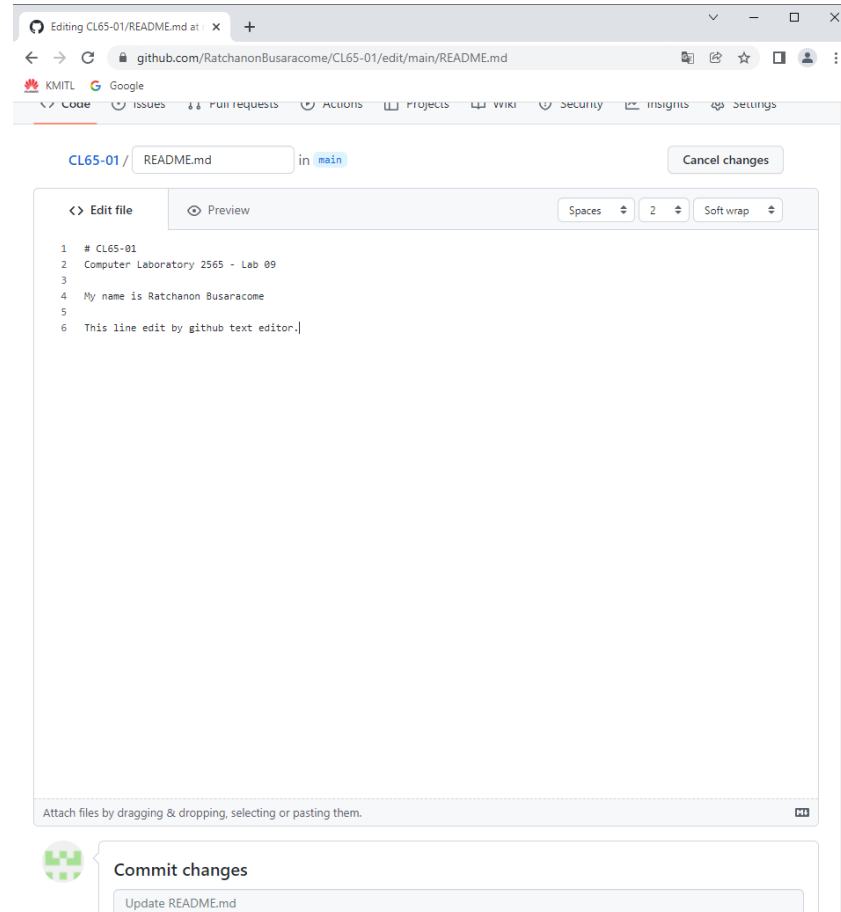
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 330 bytes | 330.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
 2c75a59..f266a57 main -> main

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ |
```

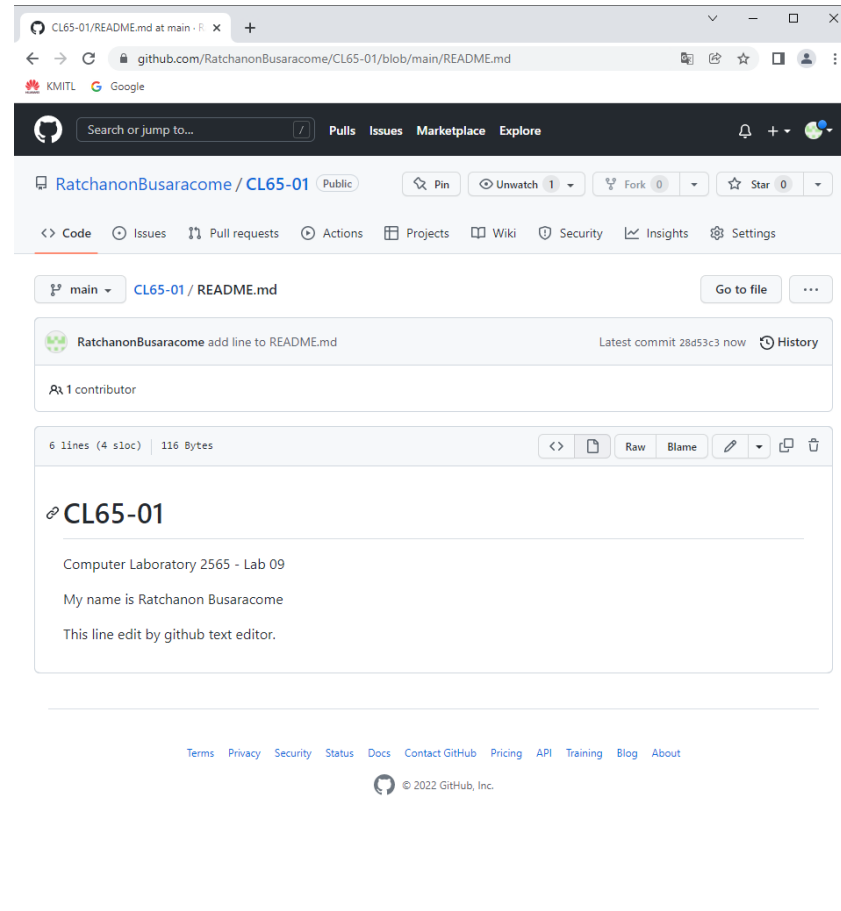
# ไฟล์ README.md ได้รับการอัปเดต



# เพิ่มความโดยใช้ github text editor



# เพิ่มความในช่อง commit change



# ดึงไฟล์ README.md เข้ามาที่เครื่อง

```
MINGW64: c:/Users/admin/d/Github-CompLab/CL2565/CL65-01
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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git commit -m "Edited by Ratchanon Busaracome"
[main f266a57] Edited by Ratchanon Busaracome
1 file changed, 3 insertions(+)

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 330 bytes | 330.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RatchanonBusaracome/CL65-01.git
   2c75a59..f266a57  main -> main

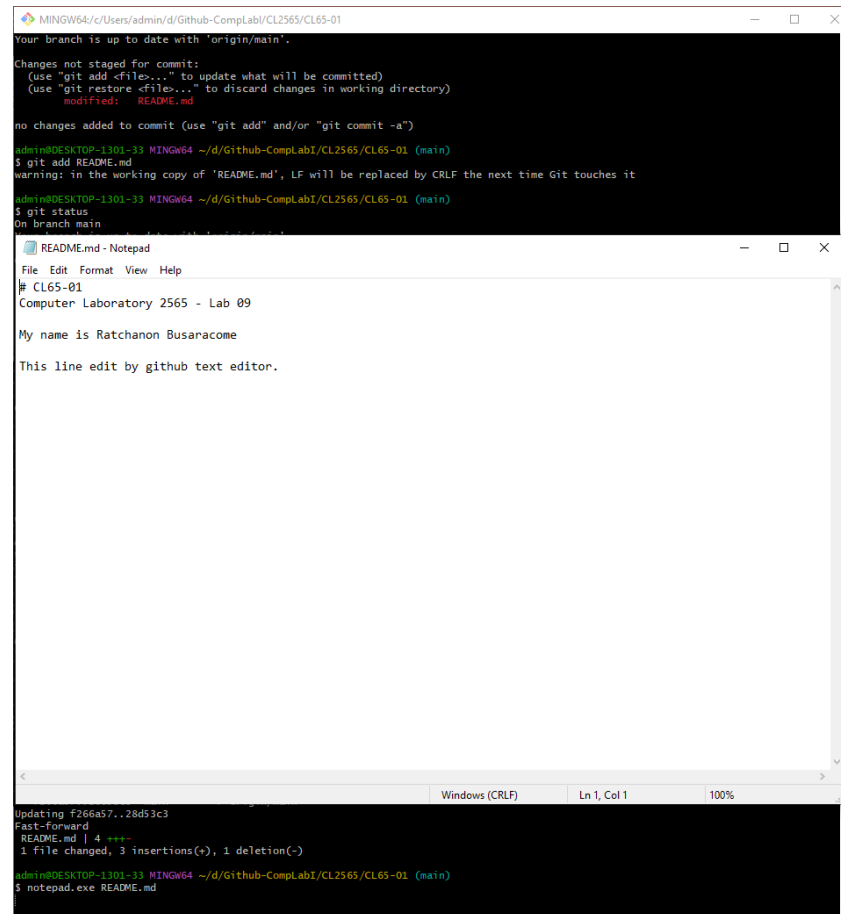
admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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), 735 bytes | 115.00 KiB/s, done.
From https://github.com/RatchanonBusaracome/CL65-01
   f266a57..28d53c3  main       -> origin/main
   f266a57..28d53c3  main       -> origin/main
Updating f266a57..28d53c3
Fast-forward
 README.md | 4 +++
 1 file changed, 3 insertions(+), 1 deletion(-)

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$
```

# เปิดไฟล์ README.md เพื่อตรวจสอบความเปลี่ยนแปลง



```
MINGW64/c/Users/admin/d/Github-CompLab/CL2565/CL65-01
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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (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@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git status
On branch main
Changes to be committed:
  new file:   README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ git commit -m "Add README.md"
[master 266a57..28d53c3] 1 file changed, 3 insertions(+), 1 deletion(-)
create mode 100644 README.md

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)
$ notepad.exe README.md
```

README.md - Notepad

File Edit Format View Help

# CL65-01

Computer Laboratory 2565 - Lab 09

My name is Ratchanon Busaracome

This line edit by github text editor.

Updating f266a57..28d53c3  
Fast-Forward  
 README.md | 4 +---  
 1 file changed, 3 insertions(+), 1 deletion(-)

admin@DESKTOP-1301-33 MINGW64 ~/d/Github-CompLab/CL2565/CL65-01 (main)  
\$ notepad.exe README.md

CL65-01/README.md at main · R · +

←

→

↺

github.com/RatchanonBusaracome/CL65-01/blob/main/README.md

🔍

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RatchanonBusaracome / CL65-01

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🍴 Fork 0

★ Star 0

<> Code

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🔗 Pull requests

🔄 Actions

📁 Projects

📖 Wiki

🔒 Security

📝 Insights


⚙ Settings

📁 main

CL65-01 / README.md

Go to file

⋮



RatchanonBusaracome add line to README.md

Latest commit 28d53c3 4 minutes ago

🕒 History

👤 1 contributor

6 lines (4 sloc) | 116 Bytes

<>

📄

Raw

Blame

✎

📄

🗑

# CL65-01


---

Computer Laboratory 2565 - Lab 09

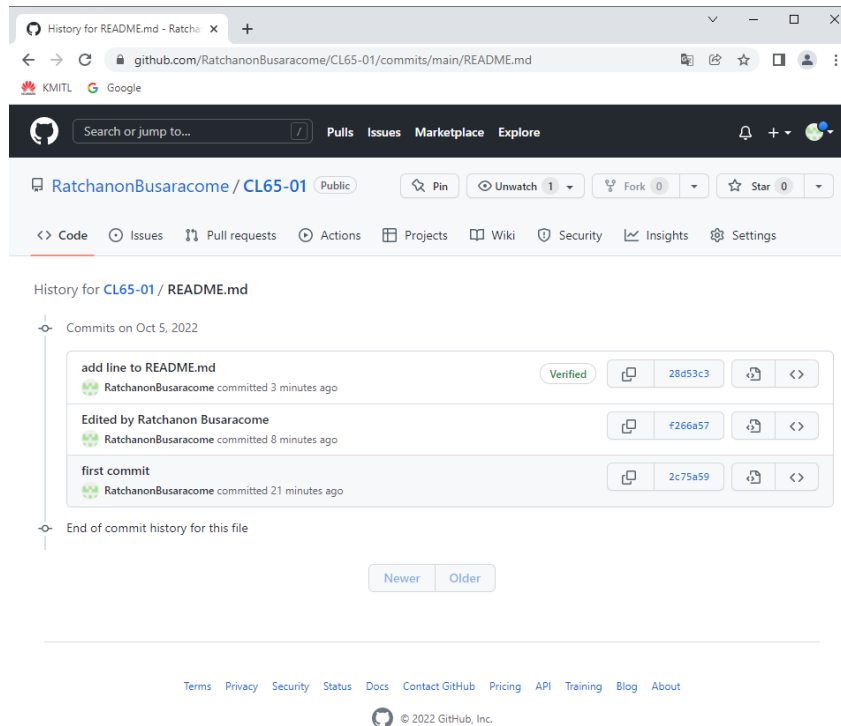
My name is Ratchanon Busaracome

This line edit by github text editor.

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# ดูประวัติการแก้ไขไฟล์ README.md



The screenshot shows the GitHub interface for the repository RatchanonBusaracome/CL65-01. The page displays the commit history for the file README.md. The browser address bar shows the URL: github.com/RatchanonBusaracome/CL65-01/commits/main/README.md. The GitHub header includes a search bar and navigation links for Pulls, Issues, Marketplace, and Explore. The repository name and public status are shown, along with buttons for Pin, Unwatch (1), Fork (0), and Star (0). The main navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The commit history section is titled "History for CL65-01 / README.md" and shows a list of commits on Oct 5, 2022. The commits are: "add line to README.md" (Verified, 28d53c3, committed 3 minutes ago), "Edited by Ratchanon Busaracome" (f266a57, committed 8 minutes ago), and "first commit" (2c75a59, committed 21 minutes ago). The page ends with a "End of commit history for this file" message and "Newer" and "Older" buttons. The footer contains links for Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About, along with the GitHub logo and copyright notice: © 2022 GitHub, Inc.

History for README.md - Ratcha...

github.com/RatchanonBusaracome/CL65-01/commits/main/README.md

KMITL Google

Search or jump to...

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RatchanonBusaracome / CL65-01 Public

Pin Unwatch 1 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

History for CL65-01 / README.md

Commits on Oct 5, 2022

add line to README.md  
Verified 28d53c3 committed 3 minutes ago

Edited by Ratchanon Busaracome  
f266a57 committed 8 minutes ago

first commit  
2c75a59 committed 21 minutes ago

End of commit history for this file

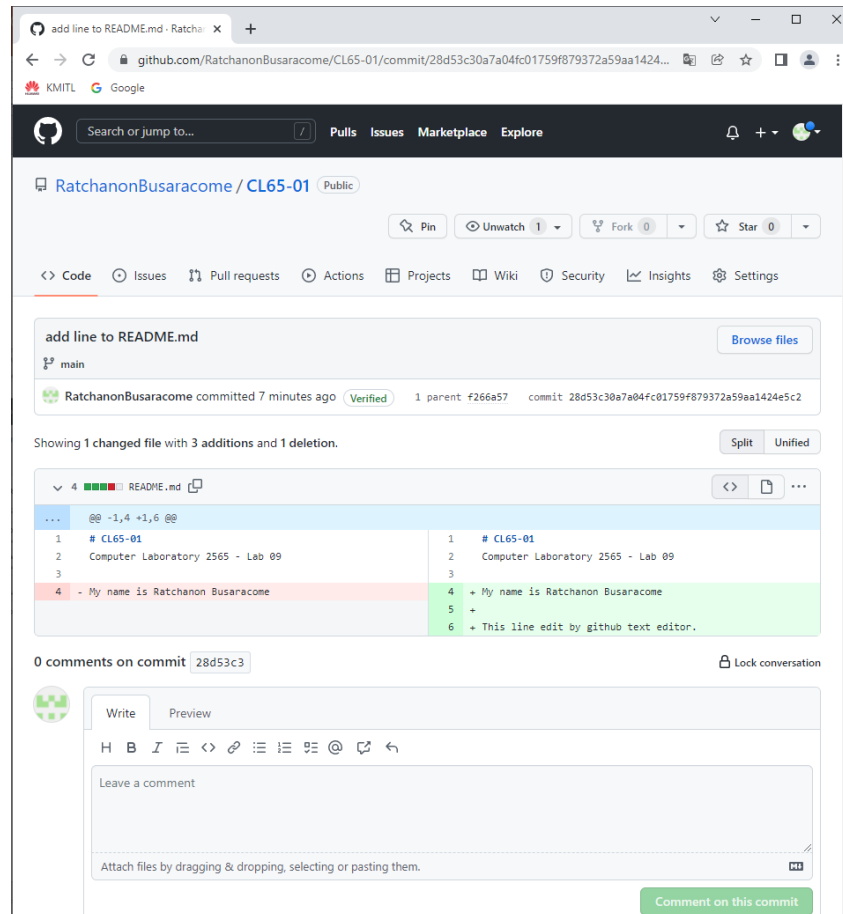
Newer Older

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# ตรวจสอบว่าไฟล์ README.md ถูกแก้ไขตรงส่วนไหน



The screenshot shows a GitHub web interface for a repository named "RatchanonBusaracome / CL65-01". The page displays a commit titled "add line to README.md" by user "RatchanonBusaracome", committed 7 minutes ago. The commit message is "add line to README.md". The diff shows changes to the file "README.md". The left side of the diff shows the original content, and the right side shows the modified content. The changes are as follows:

Original Content	Modified Content
1 # CL65-01	1 # CL65-01
2 Computer Laboratory 2565 - Lab 09	2 Computer Laboratory 2565 - Lab 09
3	3
4 - My name is Ratchanon Busaracome	4 + My name is Ratchanon Busaracome
	5 +
	6 + This line edit by github text editor.

Below the diff, there is a section for "0 comments on commit 28d53c3". At the bottom, there is a "Write" tab with a rich text editor and a "Preview" tab. The "Write" tab is active, showing a text area with the placeholder "Leave a comment" and a "Comment on this commit" button.