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# Term Project #1

-setting up github repository-






# Make Github repository

- Create an account
  - <https://github.com/>
- Make new repository
  - <https://github.com/new>



## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner   / Repository name  

Great repository names are short and memorable. Need inspiration? How about **fluffy-fortnight**.

### Description (optional)

- ☒  **Public**  
Anyone can see this repository. You choose who can commit.
- ☐  **Private**  
You choose who can see and commit to this repository.

- ☐ **Initialize this repository with a README**  
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▼

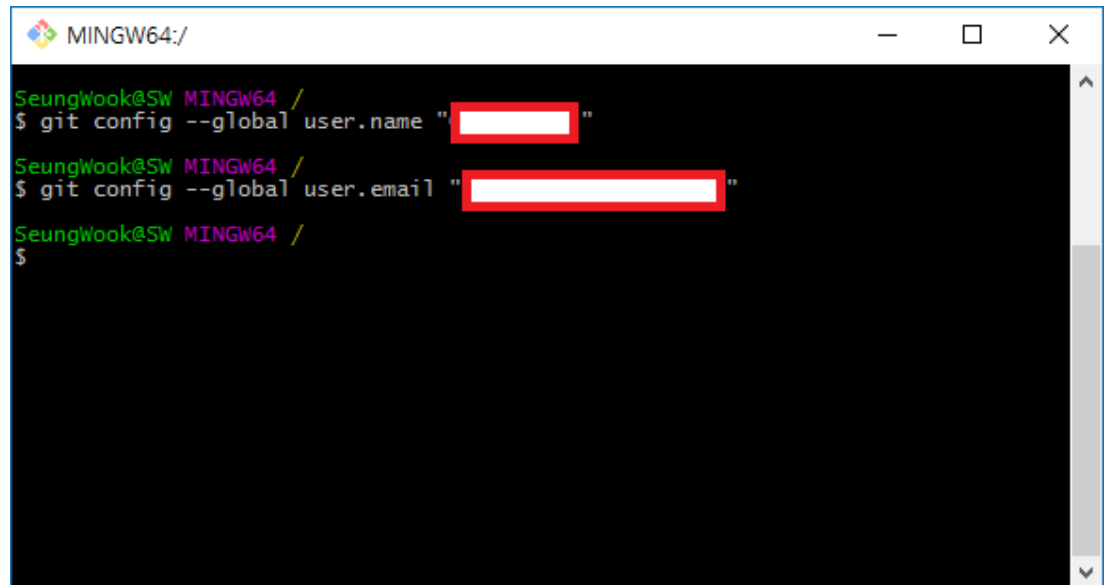
Add a license: **None** ▼ ⓘ

**Create repository**

# Set configuration

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- Install Git
  - <https://git-scm.com/downloads>
- Run 'Git Bash'.
  - Type '**git config --global user.name "YourGitHubName"**' and '**git config --global user.email "YourGitHubEmail"**' for identification.

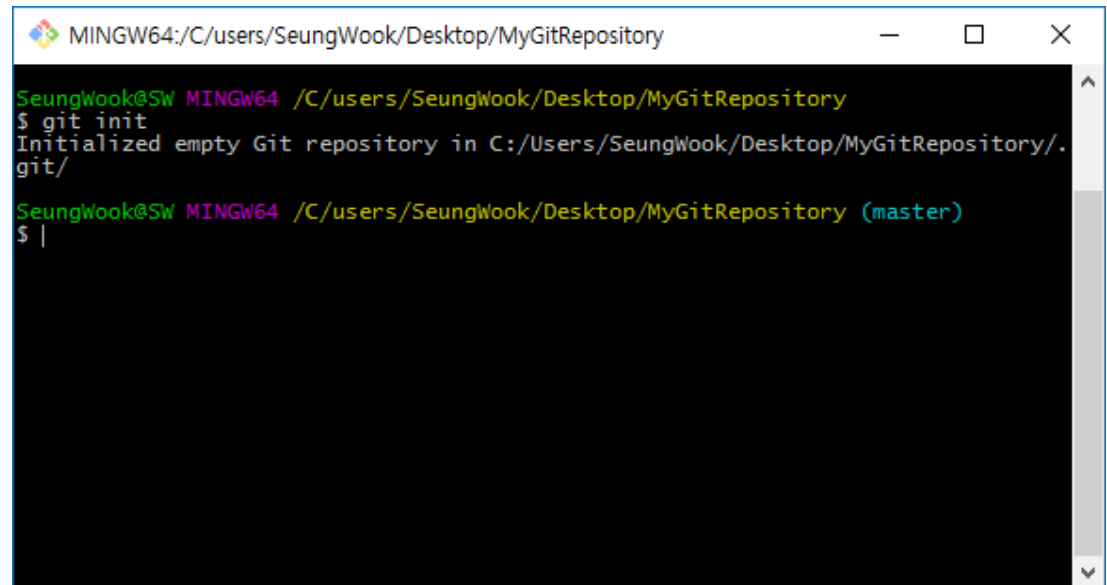


```
SeungWook@SW MINGW64 /
$ git config --global user.name " "
SeungWook@SW MINGW64 /
$ git config --global user.email " "
SeungWook@SW MINGW64 /
$
```

# Make Git repository

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- Open a directory to make a new repository.
  - Type **'git init'**

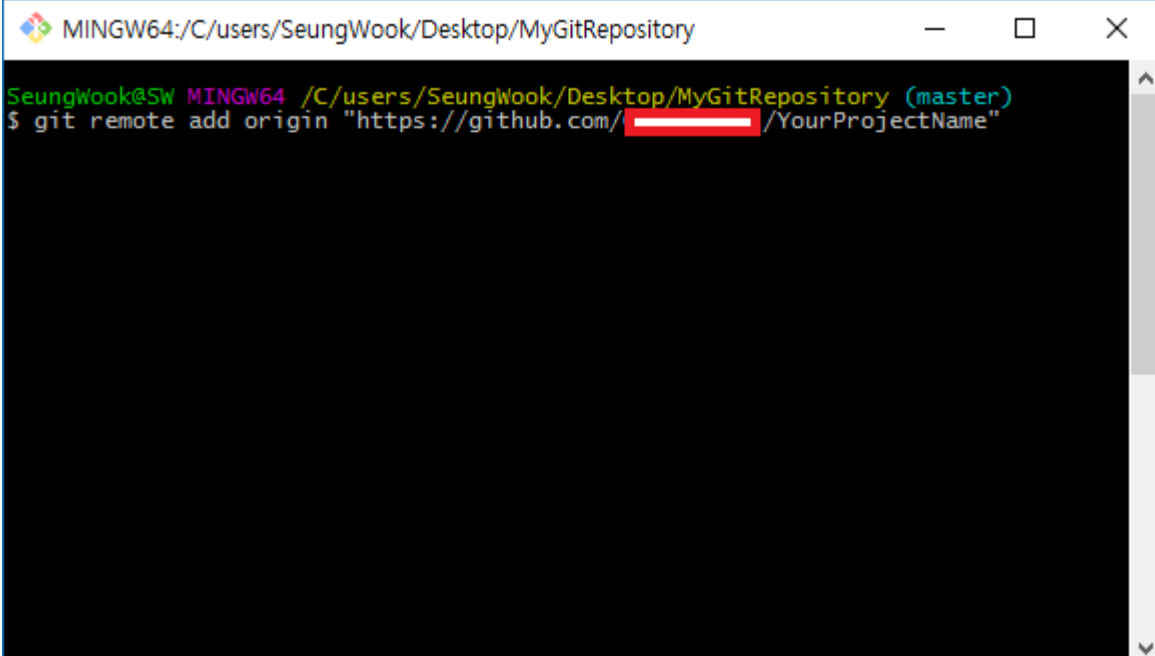


```
MINGW64:/C:/users/SeungWook/Desktop/MyGitRepository
SeungWook@SW MINGW64 /C:/users/SeungWook/Desktop/MyGitRepository
$ git init
Initialized empty Git repository in C:/Users/SeungWook/Desktop/MyGitRepository/.git/
SeungWook@SW MINGW64 /C:/users/SeungWook/Desktop/MyGitRepository (master)
$ |
```

# Set remote repository

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- Type **'git remote add origin "YourGitHubRepositoryURL"'** to set the remote repository.



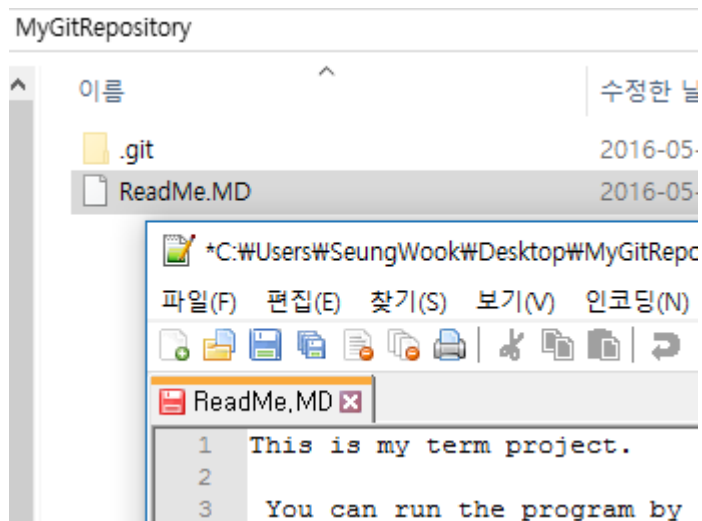
A screenshot of a Windows terminal window titled "MINGW64:/C/users/SeungWook/Desktop/MyGitRepository". The terminal shows the command `git remote add origin "https://github.com/[redacted]/YourProjectName"` being entered. The prompt is `SeungWook@SW MINGW64 /C/users/SeungWook/Desktop/MyGitRepository (master)`. The terminal has a black background with green and white text. A red rectangle highlights the username part of the GitHub URL in the command.

```
MINGW64:/C/users/SeungWook/Desktop/MyGitRepository
SeungWook@SW MINGW64 /C/users/SeungWook/Desktop/MyGitRepository (master)
$ git remote add origin "https://github.com/[redacted]/YourProjectName"
```

# Make ReadMe file

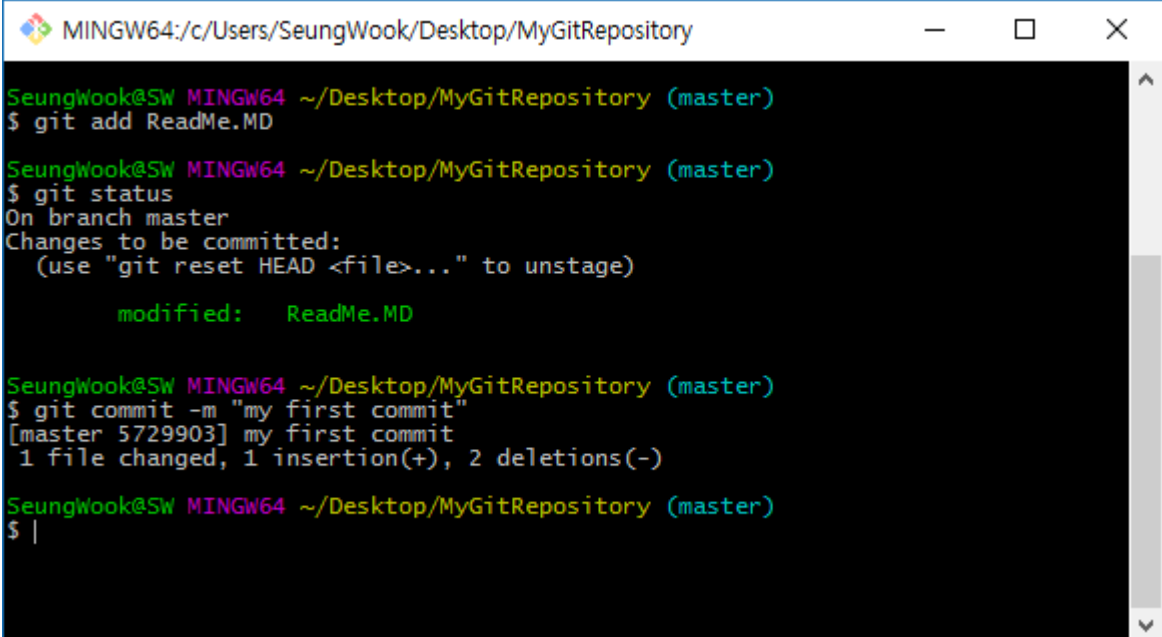
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- Make ReadMe.MD file for your term project.
  - It is a notice of Github repository which describes the detail of project.
- Perform **'git add ReadMe.MD'**.



# Commit

- You can check added files by typing **'git status'**.
- After that, use **'git commit -m "Message"'**.



```
MINGW64:/c/Users/SeungWook/Desktop/MyGitRepository

SeungWook@SW MINGW64 ~/Desktop/MyGitRepository (master)
$ git add ReadMe.MD

SeungWook@SW MINGW64 ~/Desktop/MyGitRepository (master)
$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

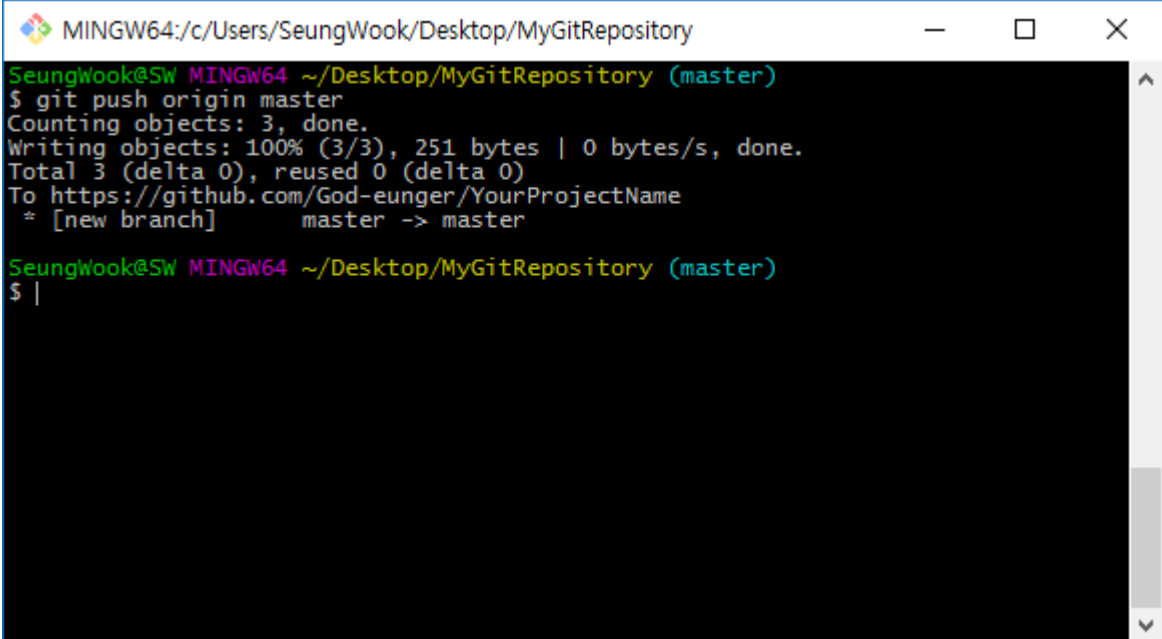
        modified:   ReadMe.MD

SeungWook@SW MINGW64 ~/Desktop/MyGitRepository (master)
$ git commit -m "my first commit"
[master 5729903] my first commit
1 file changed, 1 insertion(+), 2 deletions(-)

SeungWook@SW MINGW64 ~/Desktop/MyGitRepository (master)
$ |
```

# Pushing

- To send a file to the remote server, execute **'git push origin master'**.

A screenshot of a Windows terminal window titled 'MINGW64:/c/Users/SeungWook/Desktop/MyGitRepository'. The terminal shows the execution of the 'git push origin master' command. The output indicates that 3 objects were counted, 251 bytes were written, and the push was successful to the remote repository 'https://github.com/God-eunger/YourProjectName'. The terminal prompt is '\$ |' on the next line.

```
MINGW64:/c/Users/SeungWook/Desktop/MyGitRepository
SeungWook@SW MINGW64 ~/Desktop/MyGitRepository (master)
$ git push origin master
Counting objects: 3, done.
Writing objects: 100% (3/3), 251 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/God-eunger/YourProjectName
 * [new branch]      master -> master

SeungWook@SW MINGW64 ~/Desktop/MyGitRepository (master)
$ |
```



# Result

The screenshot shows a GitHub repository page for a user (represented by a red box) named 'YourProjectName'. The repository has 2 commits, 1 branch, 0 releases, and 1 contributor. The 'master' branch is selected. A 'New pull request' button is visible. The repository contains a file named 'ReadMe.MD' which was committed 'my first commit' 3 minutes ago. The content of the README is: 'This is my term project.' and 'You can run the program by ~'.

GitHub repository page for **YourProjectName**.

Repository statistics: 2 commits, 1 branch, 0 releases, 1 contributor.

Branch: master | [New pull request](#) | [New file](#) | [Upload files](#) | [Find file](#) | [SSH](#) | [git@github.com: \[redacted\] /Yc](#) | [Download ZIP](#)

Commit history:

- [my first commit](#) (Latest commit 5729903 3 minutes ago)

Files:

- [ReadMe.MD](#) (my first commit 3 minutes ago)

ReadMe.MD content:

```
This is my term project.

You can run the program by ~
```

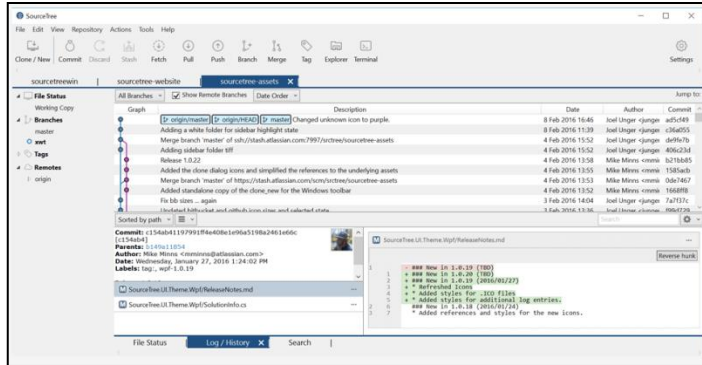
# Get used to Git and Github

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- Create the remote repository of your team on GitHub.
- Write a readme file(ReadMe.md).
  - It should be the latest porposal of your term project.
- Commit and push the readme file to the remote repository.
- Turn in URL of the repository to Blackboard.
- Due is 11:59 p.m. 16<sup>th</sup> May.

# GUI for Git

- SourceTree <https://www.sourcetreeapp.com/>



- Github Desktop <https://desktop.github.com/>

