

# Git 사용방법

NPC 6기 루아 프로젝트 / 3팀 / 여름방학 설화

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# Remote Repository

원격저장소 : 서버에서 관리, 다른 사람들과 공유

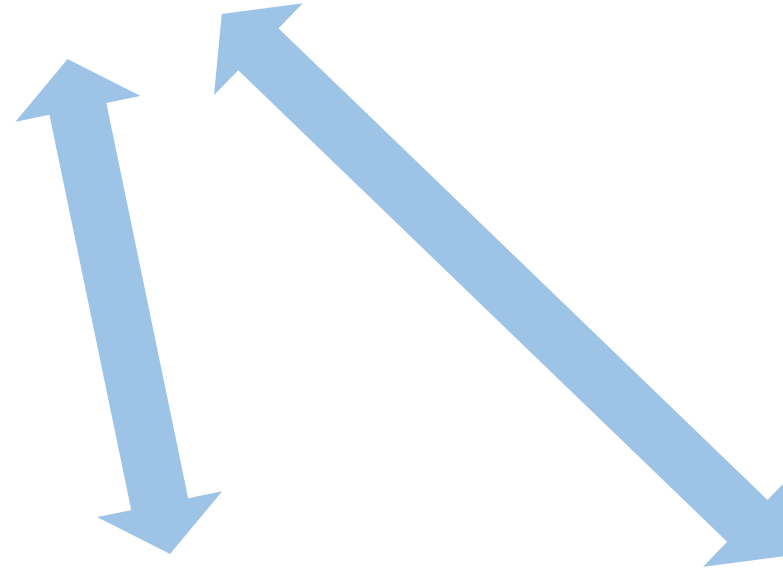


## Local Repository

개인저장소 : 내 개인 PC

Local Repository

Local Repository



# 0. Git 설치

아래 링크 참고

<https://coding-factory.tistory.com/245>

# 1. 프로젝트 파일 PC로 가져오기

jjuj99 / Seolhwa-of-Summer-Vacation Private

<> Code Issues Pull requests Actions Projects Security Insights Settings

master 2 branches 0 tags

Go to file Add file Code

jjuj99 Merge pull request #1 from jjuj99/you 6a5c771 18 minutes ago 4 commits

AndroidResources/res	start	4 days ago
Images.xcassets	start	4 days ago
LaunchScreen.storyboardc	start	4 days ago
build.settings	start	4 days ago
config.lua	start	4 days ago
main.lua	start	4 days ago
view1.lua	220721 Git TEST	19 minutes ago

Help people interested in this repository understand your project by adding a README. Add a README

Go to file Add file Code

Clone ?

HTTPS SSH GitHub CLI

Copied!

<https://github.com/jjuj99/Seolhwa-of-Summer-Vacation>

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

start

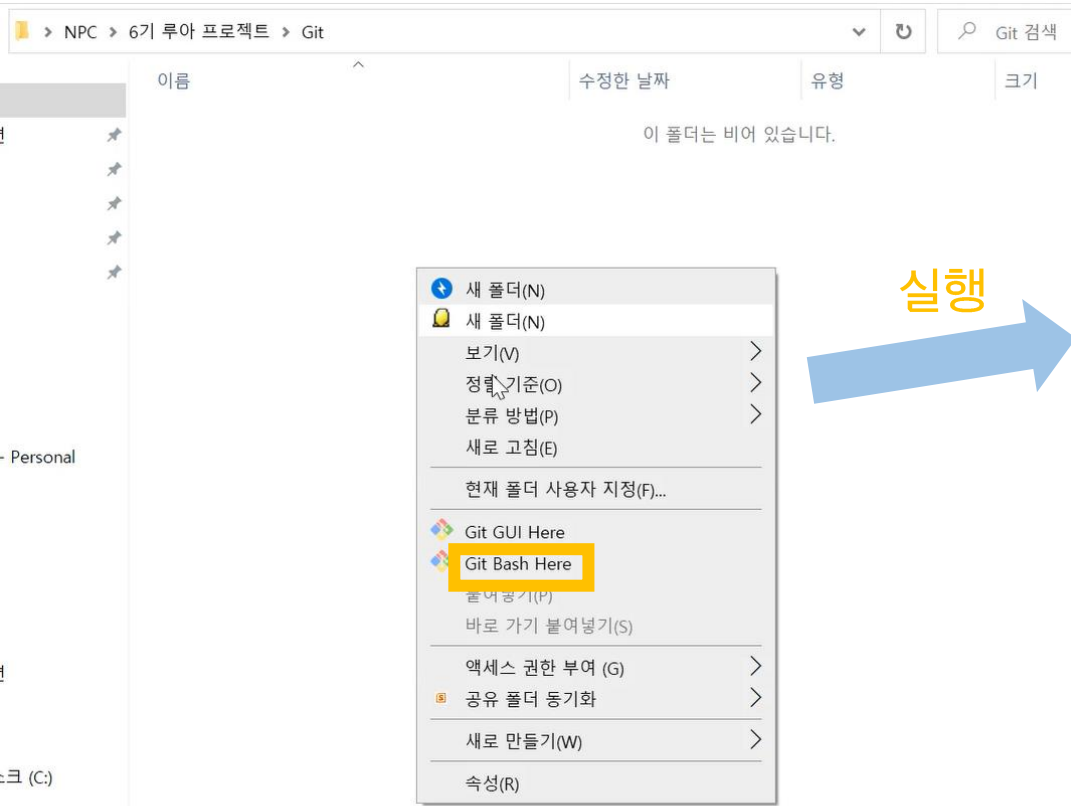
start

start

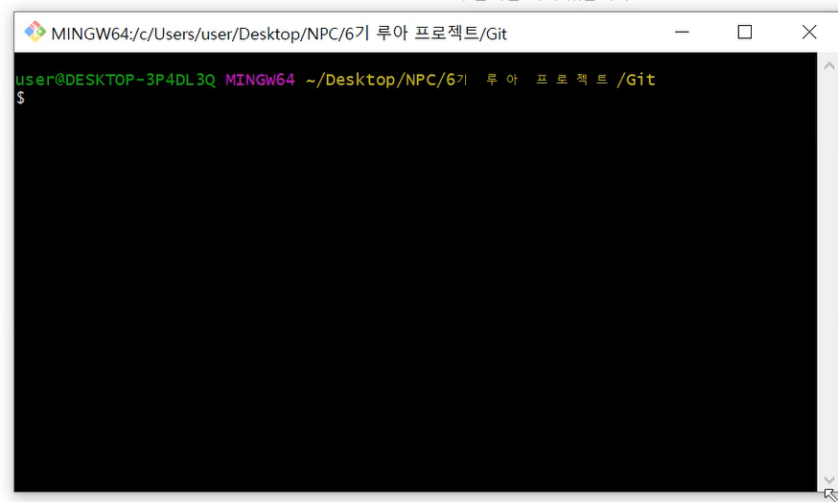
start

220721 TEST 6 minutes ago

Git 주소 복사

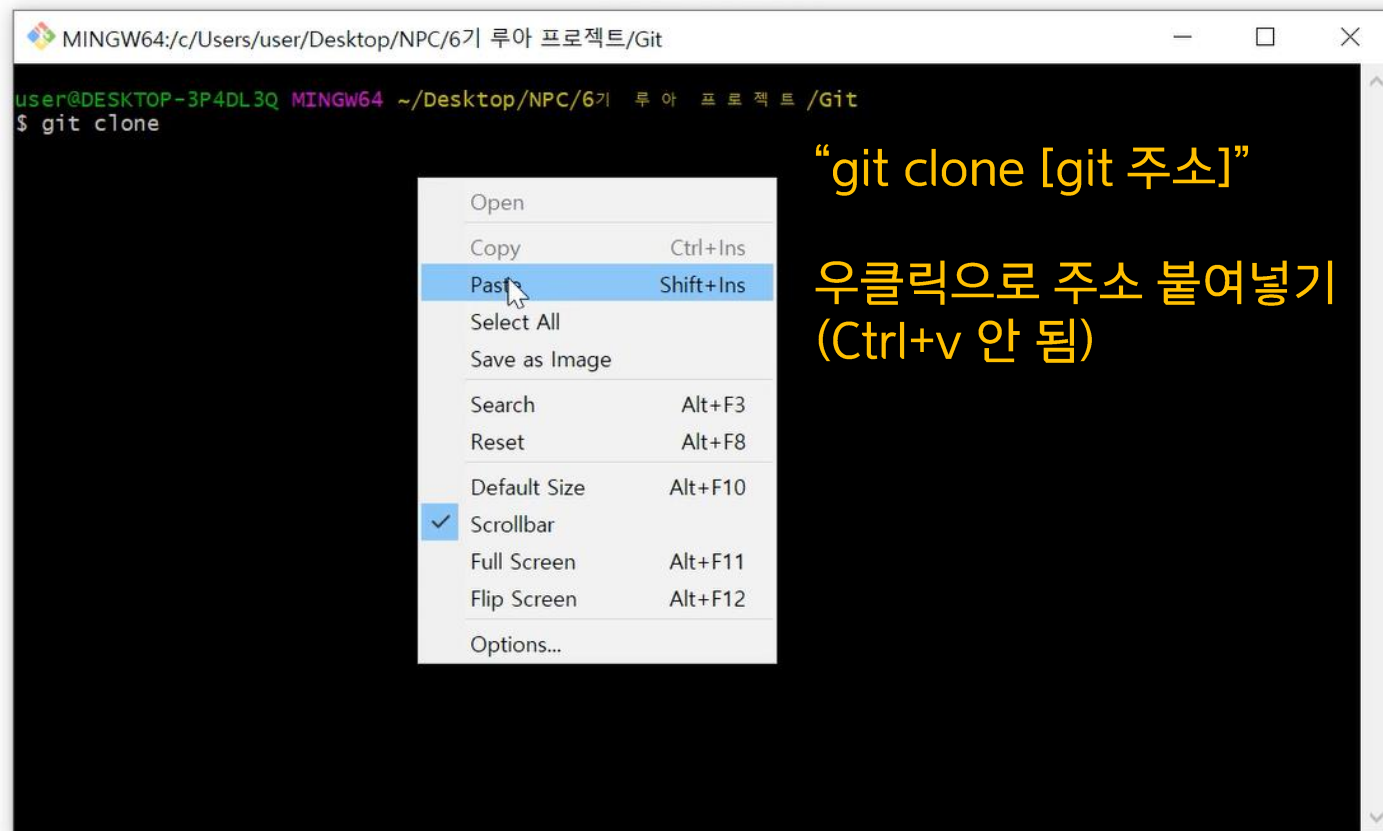


실행



파일을 받고자 하는 폴더에서  
우클릭으로 Git Bash Here 실행

(Bash를 주로 사용하고,  
GUI는 사용해보지 않아 Bash로 설명)



“git clone [git 주소]”

우클릭으로 주소 붙여넣기  
(Ctrl+v 안 됨)

```
MINGW64:/c/Users/user/Desktop/NPC/6기 루아 프로젝트/Git
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git
$ git clone https://github.com/jjuj99/Seolhwa-of-Summer-Vacation.git
```

I  
실행

> NPC > 6기 루아 프로젝트 > Git

이름	수정한 날짜	유형	크기
Seolhwa-of-Summer-Vacation	2022-07-21 오전 12:51	파일 폴더	

Git 검색

완료

- Personal

1

크 (C)

```
MINGW64:/c/Users/user/Desktop/NPC/6기 루아 프로젝트/Git
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git
$ git clone https://github.com/jjuj99/Seolhwa-of-Summer-Vacation.git
Cloning into 'Seolhwa-of-Summer-Vacation'...
remote: Enumerating objects: 49, done.
remote: Counting objects: 100% (49/49), done.
remote: Compressing objects: 100% (44/44), done.
Receiving remote: Total 49 (delta 2), reused 49 (delta 2), pack-reused 0
Receiving objects: 100% (49/49), 60.58 KiB | 4.33 MiB/s, done.
Resolving deltas: 100% (2/2), done.

user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git
$
```

## 2. 브랜치 생성

## Branch

개인의 독립적인 작업 영역

모든 팀원이 원본(master)에서 작업하는 것은 매우 위험!

그렇기에 개인 작업 영역이 필요

The image shows a Windows File Explorer window displaying the contents of a Git repository located at `c:/Users/user/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summer-Vacation`. The file list includes:

이름	수정한 날짜	유형	크기
.git	2022-07-21 오전 12:51	파일 폴더	
AndroidResources	2022-07-21 오전 12:51	파일 폴더	
Images.xcassets	2022-07-21 오전 12:51	파일 폴더	
LaunchScreen.storyboardc	2022-07-21 오전 12:51	파일 폴더	
build	2022-07-21 오전 12:51	Visual Studio Setting...	1KB
config	2022-07-21 오전 12:51	LUA 파일	1KB
main	2022-07-21 오전 12:51	LUA 파일	1KB
view1	2022-07-21 오전 12:51	LUA 파일	2KB

Below the file explorer, a terminal window is open, showing the current directory and the active branch:

```
user@DESKTOP-... MINGW64 ~/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summ
er-Vacation (master)
$ |
```

A yellow box highlights the `(master)` text in the terminal output.

방금 내려받은 파일에서 Git Bash 실행  
표시된 네모가 현재 Branch  
지금은 master에 위치(기본)

```
MINGW64:/c/Users/user/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summer-Vacation
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summer-Vacation (master)
$ git branch yu
```

“git branch [branch 명]”

브랜치 생성  
생성하고자 하는 브랜치 명 입력  
(이미지에서는 'yu')

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<> Code Issues Pull requests Actions Projects

master 1 branch 0 tags

Switch branches/tags

Find or create a branch...

Branches Tags

✓ master default

View all branches

main.lua	start
view1.lua	220721 TEST

```
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summer-Vacation (master)
$ git branch
```

생성된 branch 리스트 확인

```
* master
yu
```

```
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summer-Vacation (master)
$ git checkout yu
```

Branch 변경

구버전에서는 “git checkout [branch 명]” 사용  
현재는 “git switch [branch 명]” 사용

```
Switched to branch 'yu'

user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트/Git/Seolhwa-of-Summer-Vacation (yu)
$ git switch yu
```

Already on 'yu'



### 3. 완료한 작업 올리기(push)

push 과정

```
git pull origin master
```

```
git add .
```

```
git commit -m "커밋 메시지 작성"
```

```
Git push origin [브랜치 명]
```

커밋 메시지의 경우 자유롭게

하지만 현재는 팀 프로젝트이기에 규칙을 정하여  
통일성있고 어떤 작업을 진행했는지 알기 편하게 작성

메시지 > "날짜 완료한 작업"

ex)

"220701 미니게임 계단오르기 오브젝트 배치 완료 "

```
view1.lua
1  -----
2  --
3  -- view1.lua
4  --
5  -----
6
7  local composer = require( "composer" )
8  local scene = composer.newScene()
9
10 function scene:create( event )
11     local sceneGroup = self.view
12
13     --GIT TEST--
14     local git = 1          -- 테스트 코드
15
16 end
17
```

코드 변경  
(코드에 오류가 없어야 한다.)

```
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git/Seolhwa-of-Summer-Vacation (yu)
$ git pull origin master push(작업 올리기) 전 pull(작업 내려받기) 필수
From https://github.com/jjuj99/Seolhwa-of-Summer-Vacation
* branch          master      -> FETCH_HEAD
Already up to date.

user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git/Seolhwa-of-Summer-Vacation (yu)
$ git add .

user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git/Seolhwa-of-Summer-Vacation (yu)
$ git commit -m "220721 Git TEST"
[yu 215baa7] 220721 Git TEST
1 file changed, 2 insertions(+), 1 deletion(-)

user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git/Seolhwa-of-Summer-Vacation (yu)
$ git push origin yu 본인의 branch에 올리기
```

Error가 발생했는지 확인해야 한다.

다른 사람들과 작업한 부분이 겹치는 등이 있을 경우 conflict 발생

```
user@DESKTOP-3P4DL3Q MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git/Seolhwa-of-Summer-Vacation (yu)
$ git push origin yu
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'yu' on GitHub by visiting:
remote:   https://github.com/jjuj99/Seolhwa-of-Summer-Vacation/pull/new/yu
remote:
To https://github.com/jjuj99/Seolhwa-of-Summer-Vacation.git
 * [new branch]      yu -> yu
```

push 완료  
에러 발생했는지 항상 확인

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‘yu’ 브랜치에 올라간 작업을  
‘master’에 병합(merge) 해야한다.

yu had recent pushes 1 minute ago

Compare & pull request

클릭

master 2 branches 0 tags

Go to file Add file Code

Switch branches/tags

Find or create a branch...

Branches

Tags

✓ master default

yu

View all branches


041c013 17 minutes ago 2 commits

start	4 days ago
start	4 days ago
start	4 days ago
start	4 days ago
start	4 days ago
config.lua	4 days ago
main.lua	4 days ago
view1.lua	220721 TEST 17 minutes ago


브랜치 생성됨

## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

 base: master ← compare: yu ✓ **Able to merge.** These branches can be automatically merged.

'yu'에서 'master'로 merge


 220721 Git TEST

Write

Preview

H B I ≡ <> 🔗 ≡ ≡ ☑ @ ↗ ↶

Leave a comment

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

Create pull request

# 220721 Git TEST #1



jjuj99 wants to merge 1 commit into `master` from `yu`



Conversation 0



Commits 1



Checks 0



Files changed 1



jjuj99 commented now



No description provided.

220721 Git TEST

215baa7

Add more commits by pushing to the `yu` branch on `jjuj99/Seolhwa-of-Summer-Vacation`.



Checking for ability to merge automatically... 충돌이 있는지 확인 중

Hang in there while we check the branch's status.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

## 충돌 없으면 Merge pull request 실행

Add more commits by pushing to the `yu` branch on `jjuj99/Seolhwa-of-Summer-Vacation`.



Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



Merge pull request #1 from `jjuj99/yu`

220721 Git TEST

Confirm merge

Cancel

# 220721 Git TEST #1

 Merged jjuj99 merged 1 commit into `master` from `yu`  now

 Conversation 0

 Commits 1

 Checks 0

 Files changed 1



jjuj99 commented 15 seconds ago



*No description provided.*



220721 Git TEST

215baa7



jjuj99 merged commit `6a5c771` into `master` now

Revert



**Pull request successfully merged and closed**

You're all set—the `yu` branch can be safely deleted.

Merge 완료

Delete branch

Branch 삭제

지금은 현재 branch에서  
계속 작업할 예정이라 삭제 X

master

Commits on Jul 21, 2022

Merge pull request #1 from jjuj99/you

Verified



6a5c771



jjuj99 committed 20 seconds ago

[220721 Git TEST](#)



215baa7



jjuj99 committed 2 minutes ago

220721 TEST



041c013



jjuj99 committed 18 minutes ago

220721 Git TEST 변경된 코드 확인 가능

[Browse files](#)

master (#1)

jjuj99 committed 2 minutes ago

1 parent 041c013

commit 215baa7d0ff4917b745898784b26c07e91922cb8

Showing 1 changed file with 2 additions and 1 deletion.

Split

Unified

view1.lua

...

@@ -10,7 +10,8 @@ local scene = composer.newScene()

10 10 function scene:create( event )

11 11 local sceneGroup = self.view

12 12

13 + --ex--

13 + --GIT TEST--

14 + local git = 1 -- 테스트 코드

14 15

15 16 end

16 17



## 4. 작업 내려 받기(pull)

pull 과정

git pull origin master

‘master’ branch의 파일을 내려 받는다.

```
정 유 진 @DESKTOP-I5FMHLM MINGW64 ~/Desktop/NPC/6기 루아 프로젝트 /Git/여름방학 설화 (yu2)
$ git pull origin master
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 4 (delta 2), reused 3 (delta 2), pack-reused 0
Unpacking objects: 100% (4/4), 919 bytes | 153.00 KiB/s, done.
From https://github.com/jjuj99/Seolhwa-of-Summer-Vacation
* branch                master      -> FETCH_HEAD
   041c013..6a5c771      master      -> origin/master
Updating 041c013..6a5c771
Fast-forward
 view1.lua | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)
```

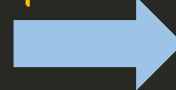
pull 실행

에러 있는지 확인

현재 다른 컴퓨터  
변경된 코드 반영 X

```
4  --
5  -----
6
7  local composer = require( "composer" )
8  local scene = composer.newScene()
9
10 function scene:create( event )
11     local sceneGroup = self.view
12
13     --ex--
14
15 end
16
17 function scene:show( event )
18     local sceneGroup = self.view
19     local phase = event.phase
20
21     if phase == "will" then
22         -- Called when the scene is still off screen and is about to move on screen
23     elseif phase == "did" then
24         -- Called when the scene is now on screen
25         --
26         -- INSERT code here to make the scene come alive
27         -- e.g. start timers, begin animation, play audio, etc.
28     end
29 end
30
```

pull



```
7  local composer = require( "composer" )
8  local scene = composer.newScene()
9
10 function scene:create( event )
11     local sceneGroup = self.view
12
13     --GIT TEST--
14     local git = 1
15
16 end
17
18 function scene:show( event )
19     local sceneGroup = self.view
20     local phase = event.phase
21
22     if phase == "will" then
23         -- Called when the scene is still off screen and is about to move on screen
24     elseif phase == "did" then
25         -- Called when the scene is now on screen
26         --
27         -- INSERT code here to make the scene come alive
28         -- e.g. start timers, begin animation, play audio, etc.
29     end
30 end
31
```

변경된 코드 적용

# pull

```
git pull origin master
```

# push

```
git pull origin master
```

```
git add .
```

```
git commit -m “커밋 메시지 작성”
```

```
Git push origin [브랜치 명]
```