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GitHub is a development platform inspired by the way you work. From **open source** to **business**, you can host and review code, manage projects, and build software alongside 40 million developers.

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Email

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Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)

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NEW

GitHub is now free for teams

GitHub Free gives teams private repositories with unlimited collaborators at no cost.

Try GitHub Free



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nojm73@naver.com

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Search or jump to...

Pull requests

Issues

Marketplace

Explore

Repositories

New

Find a repository...

nojongmun/git_test

nojongmun/branchTest

nojongmun/2019_android

nojongmun/2019_android_info

nojongmun/2019_jsp

nojongmun/2019_java

nojongmun/javastudy

Working with a team?

GitHub is built for collaboration. Set up an organization to improve the way your team works together, and get access to more features.

Create an organization

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

Read the guide

Start a project

Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you watch and people you follow.

Explore GitHub

ProTip! The feed shows you events from people you follow and repositories you watch.

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GitHub is now free for teams

Teams get unlimited collaborators in private repositories at no cost with GitHub Free.

Securing software together

Introducing new ways to identify and prevent security vulnerabilities across your code base.

Explore repositories

JuliaPlots/Plots.jl

Powerful convenience for Julia visualizations and data analysis

Julia 964

microsoft/vscode-docs

Public documentation for Visual Studio Code

CSS 2.9k

downshift-js/downshift

Primitive to build simple, flexible, WAI-ARIA compliant enhanced input React components

JavaScript 8.2k

Explore more →

https://aithub.com/new

Create a new repository

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

Owner / Repository name *

Great repository names are short and memorable. Need inspiration? How about [furry-octo-couscous](#)?

Description (optional)

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

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

- ☐ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer.

Add .gitignore: Add a license:

Create repository



Learn Git and GitHub without any code!

Using the Hello World guide, you'll start a branch, write comments, and open a pull request.

[Read the guide](#)

nojongmun / python_basics

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

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) https://github.com/nojongmun/python_basics.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 "# python_basics" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/nojongmun/python_basics.git
git push -u origin master
```

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

01. *GitBash* 설치

INSTALL

<https://gitforwindows.org/>
(for Window)

Microsoft Windows [Version 10.0.17763.557]
 (c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Wuser>git --version
 git version 2.16.2.windows.1

C:\Users\Wuser>git config --global user.name

본인이름

C:\Users\Wuser>git config --global user.email

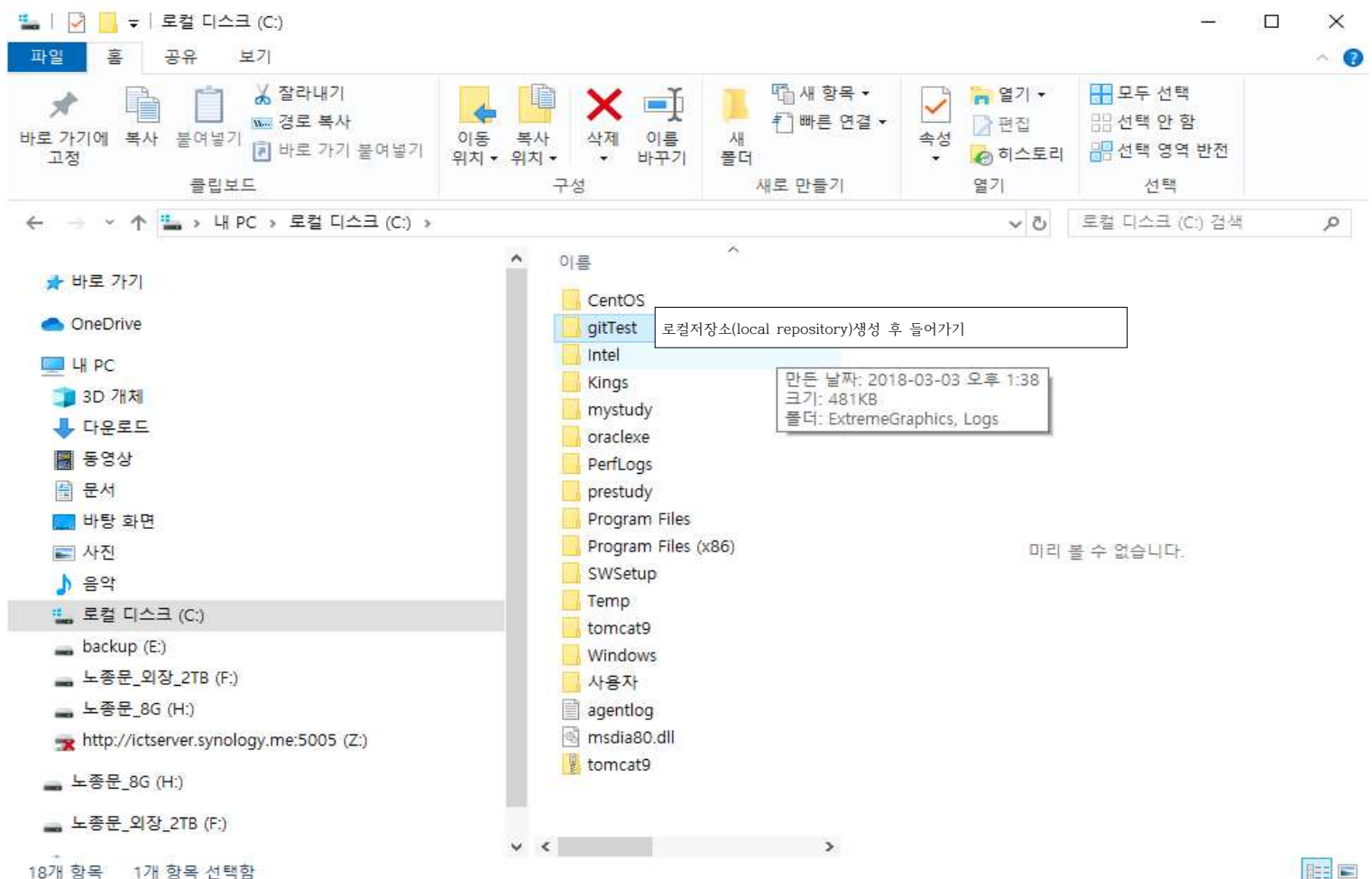
본인이메일주소

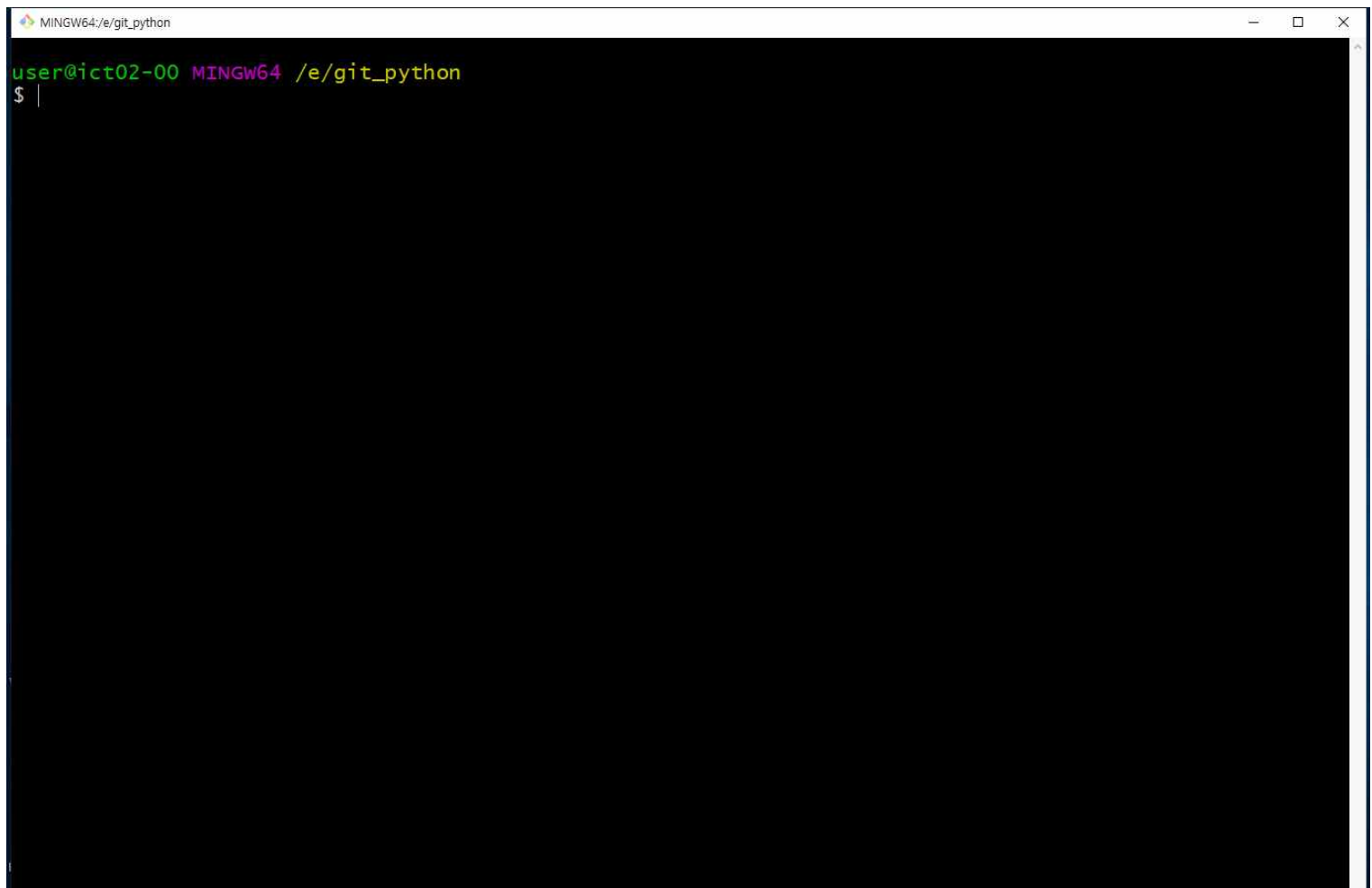
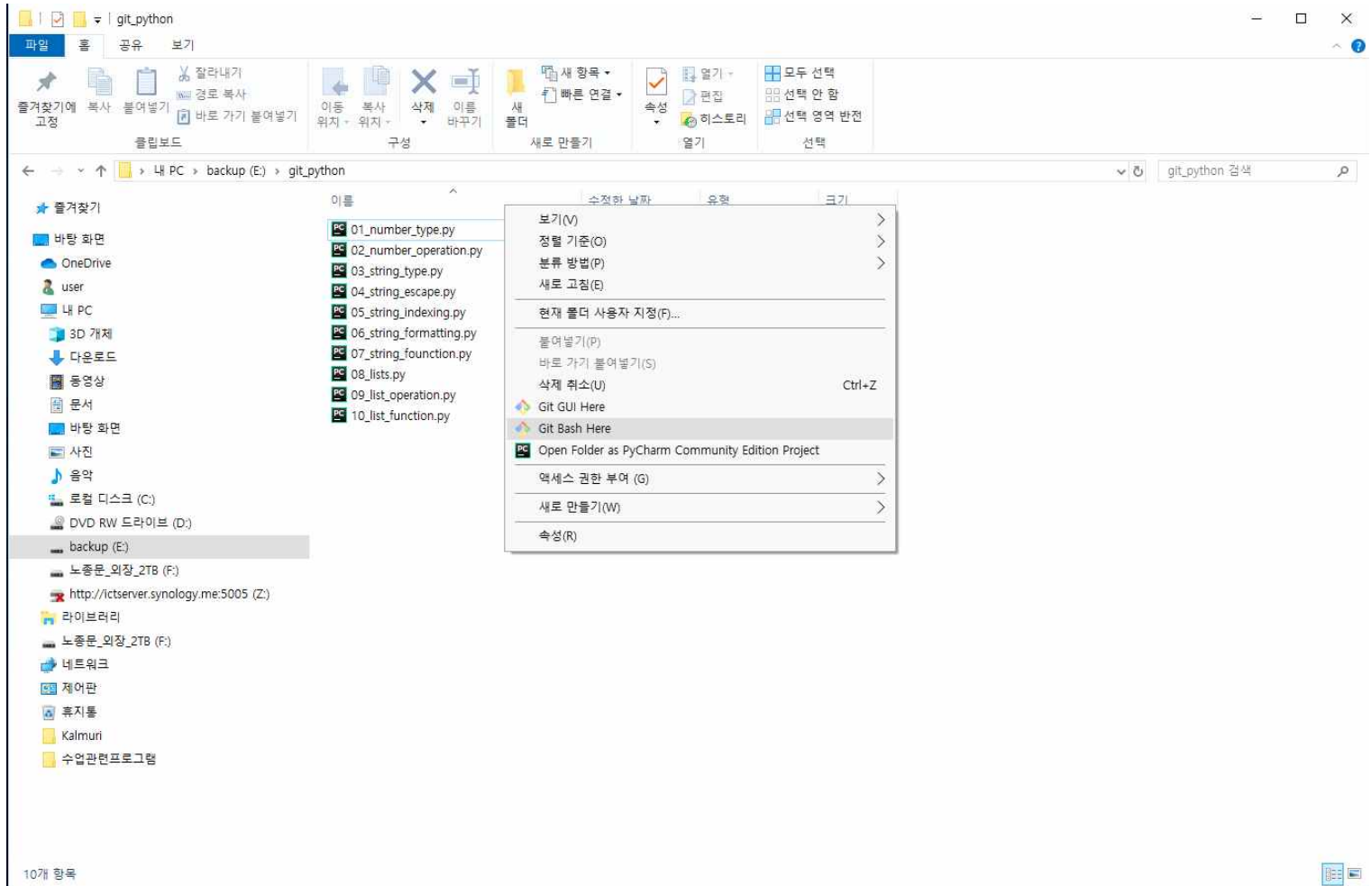
C:\Users\Wuser>

03. Root Folder 연결

기본 폴더

Web 상의 Git과
연결될 Local Folder





03. Root Folder 연결

대신 'git clone github주소' 사용가능

Command

git init .git 만들기
git remote add origin repository address

.git과 github 연결하기

MINGW64/e/git_python

```
user@ict02-00 MINGW64 /e/git_python
$ git init
Initialized empty Git repository in E:/git_python/.git/

user@ict02-00 MINGW64 /e/git_python (master)
$ git remote add origin https://github.com/nojongmun/python_basics.git

user@ict02-00 MINGW64 /e/git_python (master)
$ |
```

04. Push 전엔 Pull이 있다

Command

지정 해놓은 Repository에서 끌어옵니다.

```
git pull origin master
```

04. Push 전엔 Pull이 있다

Command

현재 Git 과의 상태를 Check !

```
git status
```



```
user@ict02-00 MINGW64 /e/git_python
$ git init
Initialized empty Git repository in E:/git_python/.git/

user@ict02-00 MINGW64 /e/git_python (master)
$ git remote add origin https://github.com/nojongmun/python_basics.git

user@ict02-00 MINGW64 /e/git_python (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    01_number_type.py
    02_number_operation.py
    03_string_type.py
    04_string_escape.py
    05_string_indexing.py
    06_string_formatting.py
    07_string_founction.py
    08_lists.py
    09_list_operation.py
    10_list_function.py

nothing added to commit but untracked files present (use "git add" to track)
```

04. Push 전에 Pull이 있다

Command

```
git add .
```

04. Push 전에 Pull이 있다

Command

현재 Git 과의 상태를 Check !

```
git status
```

```
user@ict02-00 MINGW64 /e/git_python (master)
$ git add .

user@ict02-00 MINGW64 /e/git_python (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   01_number_type.py
    new file:   02_number_operation.py
    new file:   03_string_type.py
    new file:   04_string_escape.py
    new file:   05_string_indexing.py
    new file:   06_string_formatting.py
    new file:   07_string_founction.py
    new file:   08_lists.py
    new file:   09_list_operation.py
    new file:   10_list_function.py

user@ict02-00 MINGW64 /e/git_python (master)
$
```

04. Push 전에 Pull이 있다

Command

인식 할 수 있는 commit을 달아줍니다.

```
git commit -m "message"
```

on branch master

No commits yet

changes to be committed:

(use "git rm --cached <file>..." to unstage)

```
new file:   01_number_type.py
new file:   02_number_operation.py
new file:   03_string_type.py
new file:   04_string_escape.py
new file:   05_string_indexing.py
new file:   06_string_formatting.py
new file:   07_string_founction.py
new file:   08_lists.py
new file:   09_list_operation.py
new file:   10_list_function.py
```

user@ict02-00 MINGW64 /e/git_python (master)

\$ git commit -m "first"

[master (root-commit) b489858] first

10 files changed, 441 insertions(+)

```
create mode 100644 01_number_type.py
create mode 100644 02_number_operation.py
create mode 100644 03_string_type.py
create mode 100644 04_string_escape.py
create mode 100644 05_string_indexing.py
create mode 100644 06_string_formatting.py
create mode 100644 07_string_founction.py
create mode 100644 08_lists.py
create mode 100644 09_list_operation.py
create mode 100644 10_list_function.py
```

user@ict02-00 MINGW64 /e/git_python (master)

\$

04. Push 전에 Pull이 있다

Command

실제로 Git에 PUSH !

git push origin +master

```
new file:   06_string_formatting.py
new file:   07_string_founction.py
new file:   08_lists.py
new file:   09_list_operation.py
new file:   10_list_function.py
```

```
user@ict02-00 MINGW64 /e/git_python (master)
```

```
$ git commit -m "first"
```

```
[master (root-commit) b489858] first
10 files changed, 441 insertions(+)
create mode 100644 01_number_type.py
create mode 100644 02_number_operation.py
create mode 100644 03_string_type.py
create mode 100644 04_string_escape.py
create mode 100644 05_string_indexing.py
create mode 100644 06_string_formatting.py
create mode 100644 07_string_founction.py
create mode 100644 08_lists.py
create mode 100644 09_list_operation.py
create mode 100644 10_list_function.py
```

```
user@ict02-00 MINGW64 /e/git_python (master)
```

```
$ git push origin +master
```

```
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (12/12), 5.37 KiB | 1.79 MiB/s, done.
Total 12 (delta 0), reused 0 (delta 0)
To https://github.com/nojongmun/python_basics.git
 * [new branch]      master -> master
```

```
user@ict02-00 MINGW64 /e/git_python (master)
```

```
$
```

No description, website, or topics provided.

Edit

Manage topics

1 commit
1 branch
0 packages
0 releases
1 contributor

Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download

nojongmun first		Latest commit b489858 4 minutes ago
01_number_type.py	first	4 minutes ago
02_number_operation.py	first	4 minutes ago
03_string_type.py	first	4 minutes ago
04_string_escape.py	first	4 minutes ago
05_string_indexing.py	first	4 minutes ago
06_string_formatting.py	first	4 minutes ago
07_string_founction.py	first	4 minutes ago
08_lists.py	first	4 minutes ago
09_list_operation.py	first	4 minutes ago
10_list_function.py	first	4 minutes ago

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

```

10
11 su1.append([2, '8'])
12 print(su1)
13
14 # 정렬 (sort)
15 su2 = [1, 5, 9, 4, 3, 8]
16 su2.sort()
17 print(su2)
18
19 su3 = ['a', 'c', '가', '나', 'e', '#', '!', '*']
20 su3.sort()
21 print(su3)
22
23 # 오류 발생
24 # su4 = [1, 5, 'a', 9, 4, 'c', 3, 8]
25 # su4.sort()
26 # print(su4)
27
28 # 'str' 과 'int'의 인스턴스간의 < (관계연산) 을 지원하지 않음
29 # su4.sort()
30 # print(su4)
31 print('-'*20)
32
33 # 리스트 뒤집기 (reverse)
34 su2.reverse()
35 print(su2)
36
37 su3.reverse()
38 print(su3)
39 print('-'*20)
40
41 su5 = [1, 5, 9, 4, 3, 8]
42 su5.sort(reverse=True)
43 print(su5)
44
45 su5.sort(reverse=False)
46 print(su5)
47
48 su6 = ['a', 'c', '가', '나', 'e', '#', '!', '*']
49 su6.sort(reverse=False)
50 print(su6)
51
52 su6.sort(reverse=True)
53 print(su6)

```

내용 추가 // 변경 // 파일 추가


```
user@ict02-00 MINGW64 /e/git_python (master)
$ git pull origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/nojongmun/python_basics
 * branch                master      -> FETCH_HEAD
    b489858..98f8bb4      master      -> origin/master
Updating b489858..98f8bb4
Fast-forward
 10_list_function.py | 25 ++++++
 1 file changed, 25 insertions(+)
```

```
user@ict02-00 MINGW64 /e/git_python (master)
$
```

MINGW64:/e/git_python

```
user@ict02-00 MINGW64 /e/git_python (master)
$ git status
On branch master
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:   10_list_function.py

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

user@ict02-00 MINGW64 /e/git_python (master)
$
```

```
user@ict02-00 MINGW64 /e/git_python (master)
$ git status
On branch master
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:   10_list_function.py

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

user@ict02-00 MINGW64 /e/git_python (master)
$ git add .

user@ict02-00 MINGW64 /e/git_python (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   10_list_function.py

user@ict02-00 MINGW64 /e/git_python (master)
$
```

```
user@ict02-00 MINGW64 /e/git_python (master)
$ git commit -m "second"
[master 98e0c30] second
 1 file changed, 10 insertions(+), 3 deletions(-)

user@ict02-00 MINGW64 /e/git_python (master)
$ git push origin +master
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), 408 bytes | 408.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/nojongmun/python_basics.git
 98f8bb4..98e0c30 master -> master

user@ict02-00 MINGW64 /e/git_python (master)
$ git status
On branch master
nothing to commit, working tree clean

user@ict02-00 MINGW64 /e/git_python (master)
$
```