11.10(수)----------------------------------------------------------------

Chapter0 빠른 실습으로 Git,GitHub감 익히기

01.Git,Github

Git & GitHub 소개

**02. Git 설치하고 로컬저장소에서 커밋 관리하기**

Git 다운및설치

[시작][Git Bash Here]

admin@DESKTOP-22N7JE3 MINGW64 ~

$ git

usage: git [--version] [--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

sparse-checkout Initialize and modify the sparse-checkout

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-22N7JE3 MINGW64 ~

$ git --version

git version 2.33.1.windows.1

admin@DESKTOP-22N7JE3 MINGW64 ~

$ git --help

usage: git [--version] [--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>]

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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-22N7JE3 MINGW64 ~**

$ pwd

/c/Users/admin

admin@DESKTOP-22N7JE3 MINGW64 ~

$ cd .

admin@DESKTOP-22N7JE3 MINGW64 ~

$ cd \

>

admin@DESKTOP-22N7JE3 MINGW64 ~

$ cd ../

admin@DESKTOP-22N7JE3 MINGW64 /c/Users

$ pwd

/c/Users

admin@DESKTOP-22N7JE3 MINGW64 /c/Users

$ cd ../

admin@DESKTOP-22N7JE3 MINGW64 /c

$ pwd

/c

admin@DESKTOP-22N7JE3 MINGW64 /c

$ cd ../

admin@DESKTOP-22N7JE3 MINGW64 /

$ pwd

/

admin@DESKTOP-22N7JE3 MINGW64 /

$ ls

LICENSE.txt cmd/ git-bash.exe\* proc/ unins000.exe\*

ReleaseNotes.html dev/ git-cmd.exe\* tmp/ unins000.msg

bin/ etc/ mingw64/ unins000.dat usr/

admin@DESKTOP-22N7JE3 MINGW64 /

$ ls -l

total 4976

-rw-r--r-- 1 admin 197121 18765 Oct 13 23:27 LICENSE.txt

-rw-r--r-- 1 admin 197121 208572 Oct 13 23:27 ReleaseNotes.html

drwxr-xr-x 1 admin 197121 0 Nov 10 14:34 bin/

drwxr-xr-x 1 admin 197121 0 Nov 10 14:34 cmd/

drwxr-xr-x 1 admin 197121 0 Nov 10 14:34 dev/

drwxr-xr-x 1 admin 197121 0 Nov 10 14:34 etc/

-rwxr-xr-x 1 admin 197121 137744 Oct 13 23:06 git-bash.exe\*

-rwxr-xr-x 1 admin 197121 137232 Oct 13 23:06 git-cmd.exe\*

drwxr-xr-x 1 admin 197121 0 Nov 10 14:34 mingw64/

dr-xr-xr-x 9 admin 197121 0 Nov 10 14:45 proc/

drwxr-xr-x 1 admin 197121 0 Nov 10 14:35 tmp/

-rw-r--r-- 1 admin 197121 1244856 Nov 10 14:34 unins000.dat

-rwxr-xr-x 1 admin 197121 3111280 Nov 10 14:30 unins000.exe\*

-rw-r--r-- 1 admin 197121 24183 Nov 10 14:34 unins000.msg

drwxr-xr-x 1 admin 197121 0 Nov 10 14:34 usr/

admin@DESKTOP-22N7JE3 MINGW64 /

$ ls -a

./ bin/ git-bash.exe\* tmp/ usr/

../ cmd/ git-cmd.exe\* unins000.dat

LICENSE.txt dev/ mingw64/ unins000.exe\*

ReleaseNotes.html etc/ proc/ unins000.msg

admin@DESKTOP-22N7JE3 MINGW64 /

$ pwd

/

admin@DESKTOP-22N7JE3 MINGW64 /

$ cd~

bash: cd~: command not found

admin@DESKTOP-22N7JE3 MINGW64 /

$ cd ~

admin@DESKTOP-22N7JE3 MINGW64 ~

$

**로컬 저장소 만들기(14)**

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop

$ mkdir Programming

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop

$ cd Programming

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming

$ mkdir iTshirt-cat

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming

$ cd iTshirt-cat

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat

$

**2. 구글 메일 계정 만들고 가상의 스마트폰용 멀티 메일 만들기**

구글가입계정(PC,스마트폰): abcd@gmail.com 팀장

스마트폰: abcd501@gmail.com 팀1

스마트폰: abcd502@gmail.com 팀2

스마트폰:abcd502@gmail.com 팀3

탐색기에서 [보기][파일확장명][숨김항목] 체크하기,utf-8 저장

Local Repository: C:\Users\admin\Desktop\Programming\iTshirt-cat

이메일 : serbible501@gmail.com

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat

$ git init

Initialized empty Git repository in C:/Users/admin/Desktop/Programming/iTshirt-cat/.git/

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ ls

README.txt.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ cat README.txt

개발자 티쳐츠 쇼핑몰 오픈소스

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ ls

README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git config --global user.email "serbible501@gmail.com"

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git config --global user.name "Cat-Hanbit"

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git add README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git commit -m "사이트 설명 추가"

[master (root-commit) d7b8af2] 사이트 설명 추가

1 file changed, 1 insertion(+)

create mode 100644 README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git add README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git commit -m "설명 업데이트"

[master 04953ec] 설명 업데이트

1 file changed, 1 insertion(+), 1 deletion(-)

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ ^C

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$

다른 커밋으로 시간 여행하기(18)

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git log

commit 04953ecac1681f2058f355d63458fc726b52abde (HEAD -> master)

Author: Cat-Hanbit <serbible501@gmail.com>

Date: Wed Nov 10 16:17:53 2021 +0900

설명 업데이트

commit d7b8af2b02ccaf839f6dee269173130b2c156aa4

Author: Cat-Hanbit <serbible501@gmail.com>

Date: Wed Nov 10 16:13:40 2021 +0900

사이트 설명 추가

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ git checkout d7b8af2b02ccaf839f6dee269173130b2c156aa4

Note: switching to 'd7b8af2b02ccaf839f6dee269173130b2c156aa4'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at d7b8af2 사이트 설명 추가

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat ((d7b8af2...))

$ cat README.txt

개발자 티쳐츠 쇼핑몰 오픈소스

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat ((d7b8af2...))

$ git checkout -

Previous HEAD position was d7b8af2 사이트 설명 추가

Switched to branch 'master'

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$ cat README.txt

개발자 티쳐츠 쇼핑몰 오픈소스 짱

admin@DESKTOP-22N7JE3 MINGW64 ~/Desktop/Programming/iTshirt-cat (master)

$

03. GitHub 원격저장소에 커밋 올리기(21)

Github.com 가입

-이메일 : serbible501@gmail.com

-pw:

Username:jspace501

http://github.com/(username)/(repository)

<http://github.com/notnull501/repo21>

============================11.11(목)================================

원격저장소에 커밋 올리기

원격 저장소 : <https://github.com/notnull501/iTshirt.git>

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/itshirt-cat (master)

$ git status

On branch master

nothing to commit, working tree clean

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/itshirt-cat (master)

$ git remote add origin https://github.com/notnull501/iTshirt.git

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/itshirt-cat (master)

$ git push origin master

Enumerating objects: 6, done.

Counting objects: 100% (6/6), done.

Delta compression using up to 4 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (6/6), 575 bytes | 143.00 KiB/s, done.

Total 6 (delta 0), reused 0 (delta 0), pack-reused 0

remote:

remote: Create a pull request for 'master' on GitHub by visiting:

remote: https://github.com/notnull501/iTshirt/pull/new/master

remote:

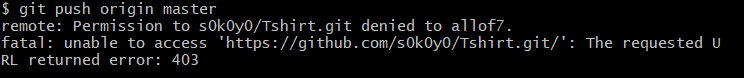
To https://github.com/notnull501/iTshirt.git

\* [new branch] master -> master

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/itshirt-cat (master)

$

--에러발생한 경우



Personal Access Token : pw => OTP, SMS인증형식

: github password를 대신해서 사용

PAT: ghp\_Jc8FlHLSSfcEIIsi6lDA97K6sKAVgx3EPvS9

04. GitHub 원격저장소의 커밋을 로컬저장소 내려 받기(25)

1. 원격 저장소의 커밋을 로컬 저장소에 내려 받기

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/itshirt-cat (master)

$ cd ../

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming

$ mkdir iTshirt-oct

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming

$ ls -l

total 0

drwxr-xr-x 1 admin 197121 0 Nov 11 10:18 iTshirt-cat/

drwxr-xr-x 1 admin 197121 0 Nov 11 11:26 iTshirt-oct/

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming

$ cd iTshirt-oct

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct

$ git clone https://github.com/notnull501/iTshirt.git .

Cloning into '.'...

remote: Enumerating objects: 10, done.

remote: Counting objects: 100% (10/10), done.

remote: Compressing objects: 100% (6/6), done.

remote: Total 10 (delta 0), reused 6 (delta 0), pack-reused 0

Receiving objects: 100% (10/10), done.

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (main)

$ ls -al

total 6

drwxr-xr-x 1 admin 197121 0 Nov 11 11:31 ./

drwxr-xr-x 1 admin 197121 0 Nov 11 11:26 ../

drwxr-xr-x 1 admin 197121 0 Nov 11 11:31 .git/

-rw-r--r-- 1 admin 197121 301 Nov 11 11:31 .gitignore

-rw-r--r-- 1 admin 197121 61 Nov 11 11:31 README.md

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (main)

**$ git checkout master**

Switched to a new branch 'master'

Branch 'master' set up to track remote branch 'master' from 'origin'.

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ git clone https://github.com/notnull501/iTshirt.git .

fatal: destination path '.' already exists and is not an empty directory.

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ ls -al

total 5

drwxr-xr-x 1 admin 197121 0 Nov 11 11:44 ./

drwxr-xr-x 1 admin 197121 0 Nov 11 11:26 ../

drwxr-xr-x 1 admin 197121 0 Nov 11 11:44 .git/

-rw-r--r-- 1 admin 197121 46 Nov 11 11:44 README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ cat README.txt

개발자 티쳐츠 쇼핑몰 오픈소스 짱

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ git add README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ git commit -m "개발자 목록 추가"

[master 667ce3c] 개발자 목록 추가

1 file changed, 5 insertions(+), 1 deletion(-)

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ git push origin master

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), 357 bytes | 357.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/notnull501/iTshirt.git

04953ec..667ce3c master -> master

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$

1. **원격저장소의 새로운 커밋을 로컬 저장소에 갱신하기**

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-oct (master)

$ cd ../

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming

$ cd iTshirt-cat

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-cat (master)

$ ls -l

total 1

-rw-r--r-- 1 admin 197121 46 Nov 11 10:18 README.txt

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-cat (master)

$ cat README.txt

개발자 티쳐츠 쇼핑몰 오픈소스 짱

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-cat (master)

$ git pull origin master

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 3 (delta 0), pack-reused 0

Unpacking objects: 100% (3/3), 337 bytes | 2.00 KiB/s, done.

From https://github.com/notnull501/iTshirt

\* branch master -> FETCH\_HEAD

04953ec..667ce3c master -> origin/master

Updating 04953ec..667ce3c

Fast-forward

README.txt | 6 +++++-

1 file changed, 5 insertions(+), 1 deletion(-)

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-cat (master)

$ cat README.txt

개발자 티쳐츠 쇼핑몰 오픈소스 짱

개발자 목록

1.고양이

2.문어

admin@DESKTOP-22N7JE3 MINGW64 ~/desktop/programming/iTshirt-cat (master)

$