\* 왜 git을 사용하는가? : 고객만족

\* 개발 생산성 : 3달 걸릴 걸 몇 일 걸려서 끝내는 개념

\* Git이 기존 소스 관리 서비스와 차이 -> 분산형 소스코드 버전 관리 시스템 (지역저장소와 원격저장소로 구분, 인터넷 연결/장애 발생 시에도 버전관리 가능)

컴퓨터 내 소스 변경 후, 완전한 소스만 올렸을 때 나머지 소스 손실 가능성(pc 문제)

\* (오늘 강의) 지역저장소 -> 원격저장소 -> 팀 활용 하는 방법, command line, 소스 트리 이용

\* 왜 command line을 잘 활용해야 하는가? 모든 플랫폼에서 쓸 수 있음

\* sublime -> 에디터 (다중 플랫폼 지원)

1. Local repository

* Git 다운 / sublime 다운
* 폴더 만들고, 그 안에 파일 생성(helloWorld.js) - sublime이용

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld

$ git init

Initialized empty Git repository in C:/Users/창조경제혁신센터/Desktop/helloWorld/.git/

* (master) -> 기본 branch : git 로컬 리포지토리

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git status

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)

helloWorld.js

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

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git add helloWorld.js

* 커밋 (-m옵션 : message “”안에 history comment 넣어줌, 계정 설정 해야함.)

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git commit -m "This is my first code."

\*\*\* Please tell me who you are.

Run

git config --global user.email "you@example.com"

git config --global user.name "Your Name"

to set your account's default identity.

Omit --global to set the identity only in this repository.

fatal: empty ident name (for <(null)>) not allowed

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git config --global user.email "jeehyeyun11@gmail.com"

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git config --global user.name "jeehyeyun"

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git commit -m "This is my first code."

[master (root-commit) 457d6fa] This is my first code.

1 file changed, 1 insertion(+)

create mode 100644 helloWorld.js

* git log

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git log

commit f445423c6fb800b83a19354e56a075bccf36976a

Author: jeehyeyun <jeehyeyun11@gmail.com>

Date: Mon Dec 19 11:56:56 2016 +0900

Add Merry Christmas

commit 457d6fa1e92188d7ae529e81adf31e06b1f42f36

Author: jeehyeyun <jeehyeyun11@gmail.com>

Date: Mon Dec 19 11:51:53 2016 +0900

This is my first code.

* Branch

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git branch

\* master

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git branch hotfix

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git branch

hotfix

\* master

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git checkout hotfix

Switched to branch 'hotfix'

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (hotfix)

$ git branch

\* hotfix

master

* Merge

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (hotfix)

$ git commit -am "Add Tell me your world"

[hotfix a232179] Add Tell me your world

1 file changed, 2 insertions(+), 1 deletion(-)

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (hotfix)

$ git checkout master

Switched to branch 'master'

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git merge hotfix

Updating f445423..a232179

Fast-forward

helloWorld.js | 3 ++-

1 file changed, 2 insertions(+), 1 deletion(-)

$ git log –graph

1. Remote Repository : origin 은 alias

$ git remote add origin <https://github.com/jeehyeyun/nano9.git>

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git remote -v

origin https://github.com/jeehyeyun/nano9.git (fetch)

origin https://github.com/jeehyeyun/nano9.git (push)

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git push origin --all

Counting objects: 18, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (11/11), done.

Writing objects: 100% (18/18), 1.40 KiB | 0 bytes/s, done.

Total 18 (delta 5), reused 0 (delta 0)

remote: Resolving deltas: 100% (5/5), done.

To https://github.com/jeehyeyun/nano9.git

\* [new branch] hotfix -> hotfix

\* [new branch] master -> master

1. Reomote repository에서 local repository로 pull하기

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$git fetch

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop/helloWorld (master)

$ git pull origin master

From https://github.com/jeehyeyun/nano9

\* branch master -> FETCH\_HEAD

Updating 9859ca2..aab3aa5

Fast-forward

helloWorld.js | 3 ++-

1 file changed, 2 insertions(+), 1 deletion(-)

로컬 레포지토리에 충돌 났을 경우에 fetch 후 push, pull 작업 수행

강사님 : nashorn74

1. Reomote Repository 만든 후 local에 바로 생성 (clone)

창조경제혁신센터@Changjo-15 MINGW64 ~/Desktop

$ git clone https://github.com/jeehyeyun/nano9\_2.git

Cloning into 'nano9\_2'...

remote: Counting objects: 4, done.

remote: Compressing objects: 100% (4/4), done.

remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0

Unpacking objects: 100% (4/4), done.

\* sourceTree

https://www.sourcetreeapp.com/

gui tool