

# Computer Programming 2 Lab

2023-03-01

# Outline

- git how-to
- HW1 hint

# What is Git



# What is git



Please explain git in the shortest way.

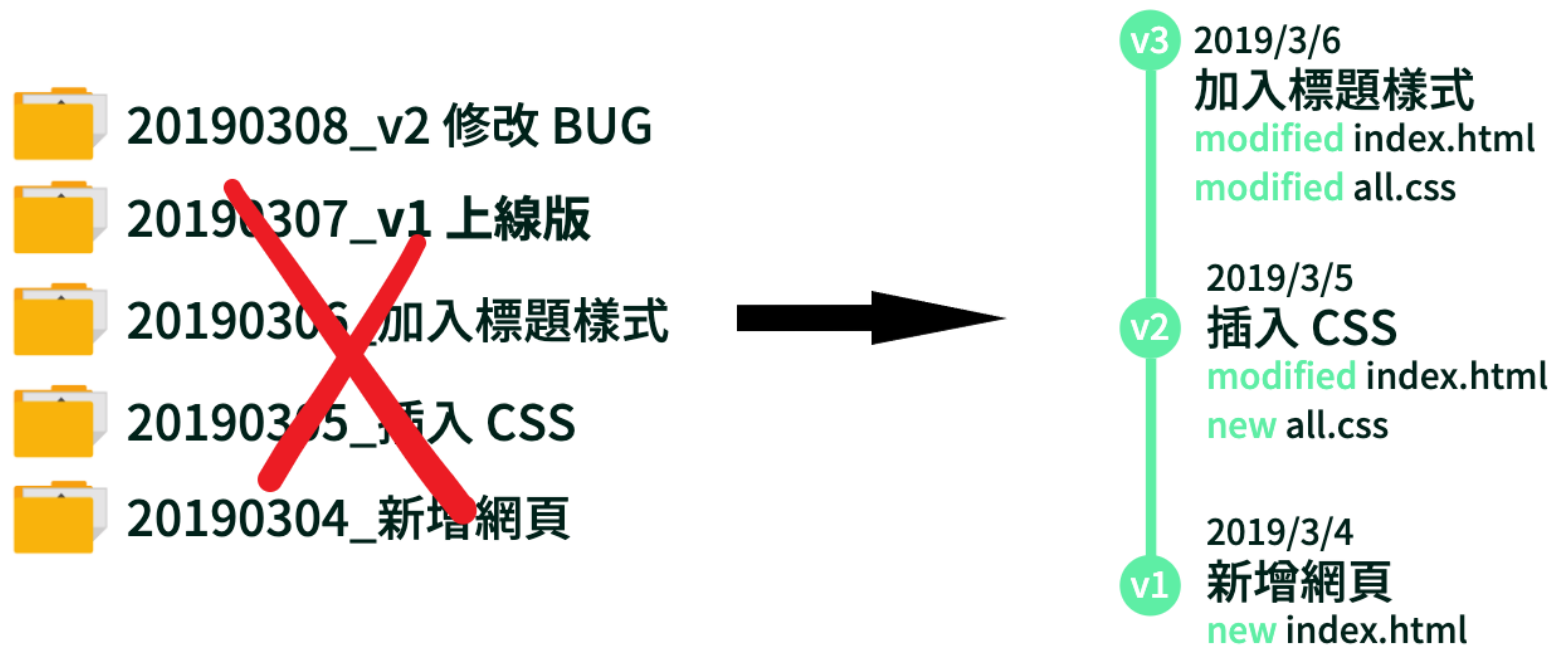


Git is a version control system that helps you keep track of changes made to files and collaborate with others on projects.

# What is git

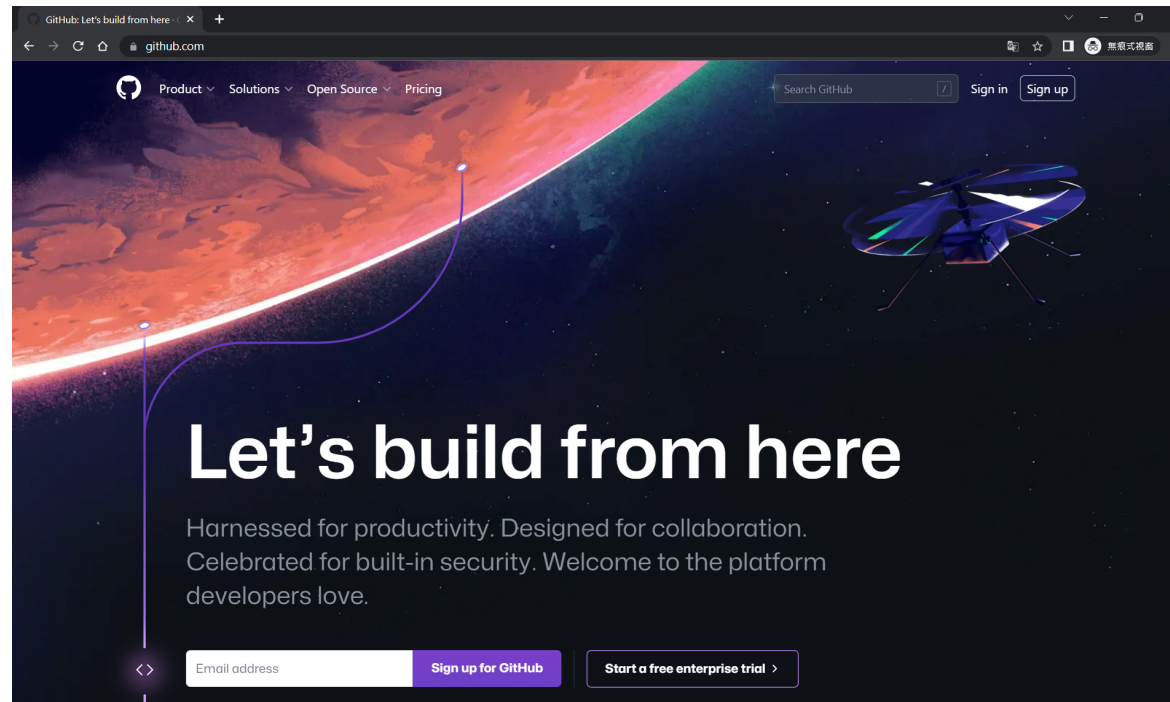
- Keep track of changes.
- Collaborate with others.

# What is git

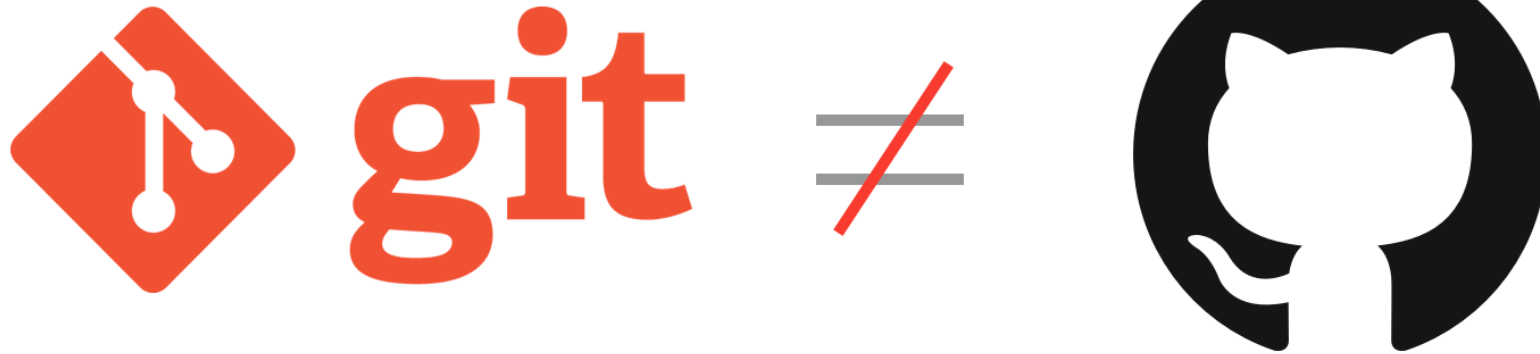


# Github

- The biggest cloud git repository in the world.
- Owns by Microsoft.

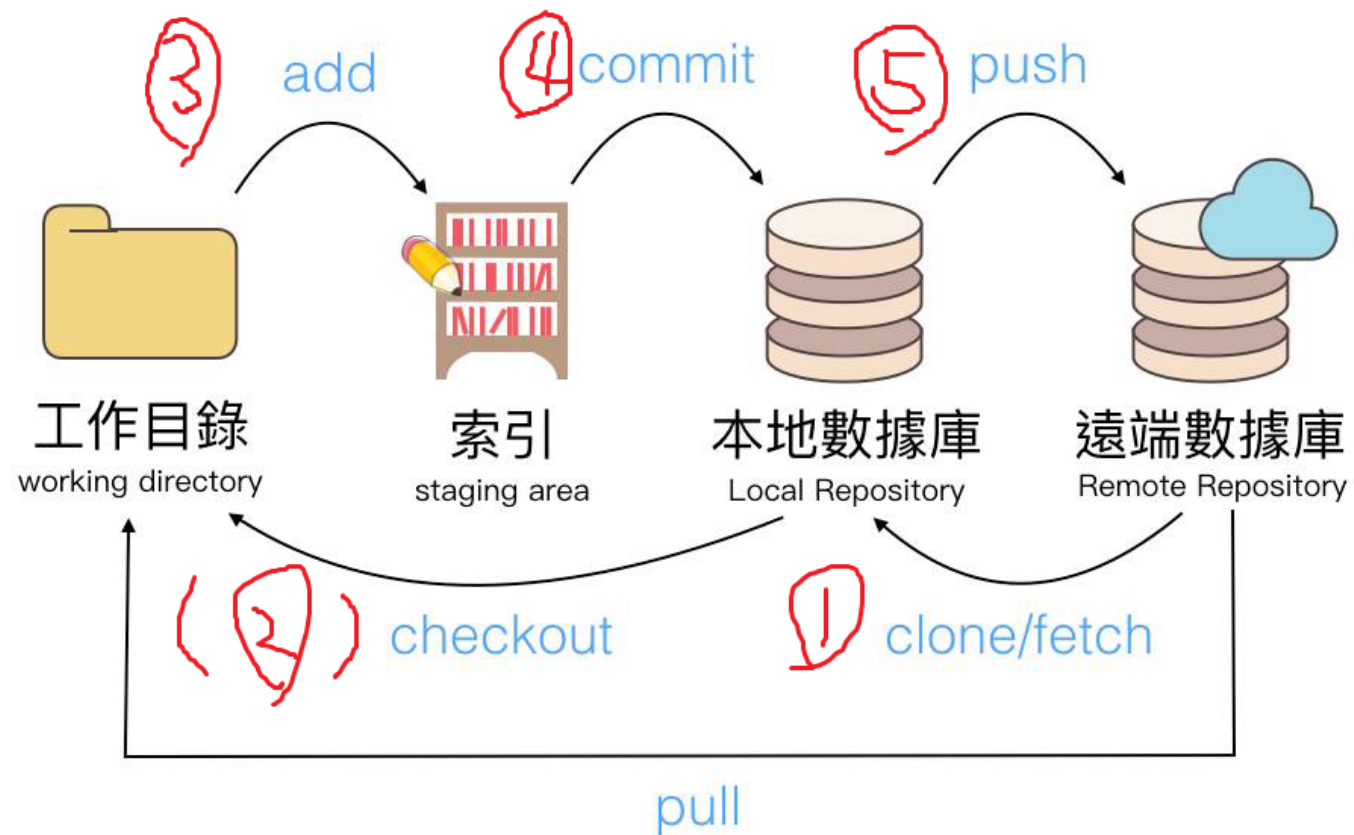


Here's an important thing to know...





# Git instructions



# Git instructions

## 1. Git clone

Clone from an remote repository.

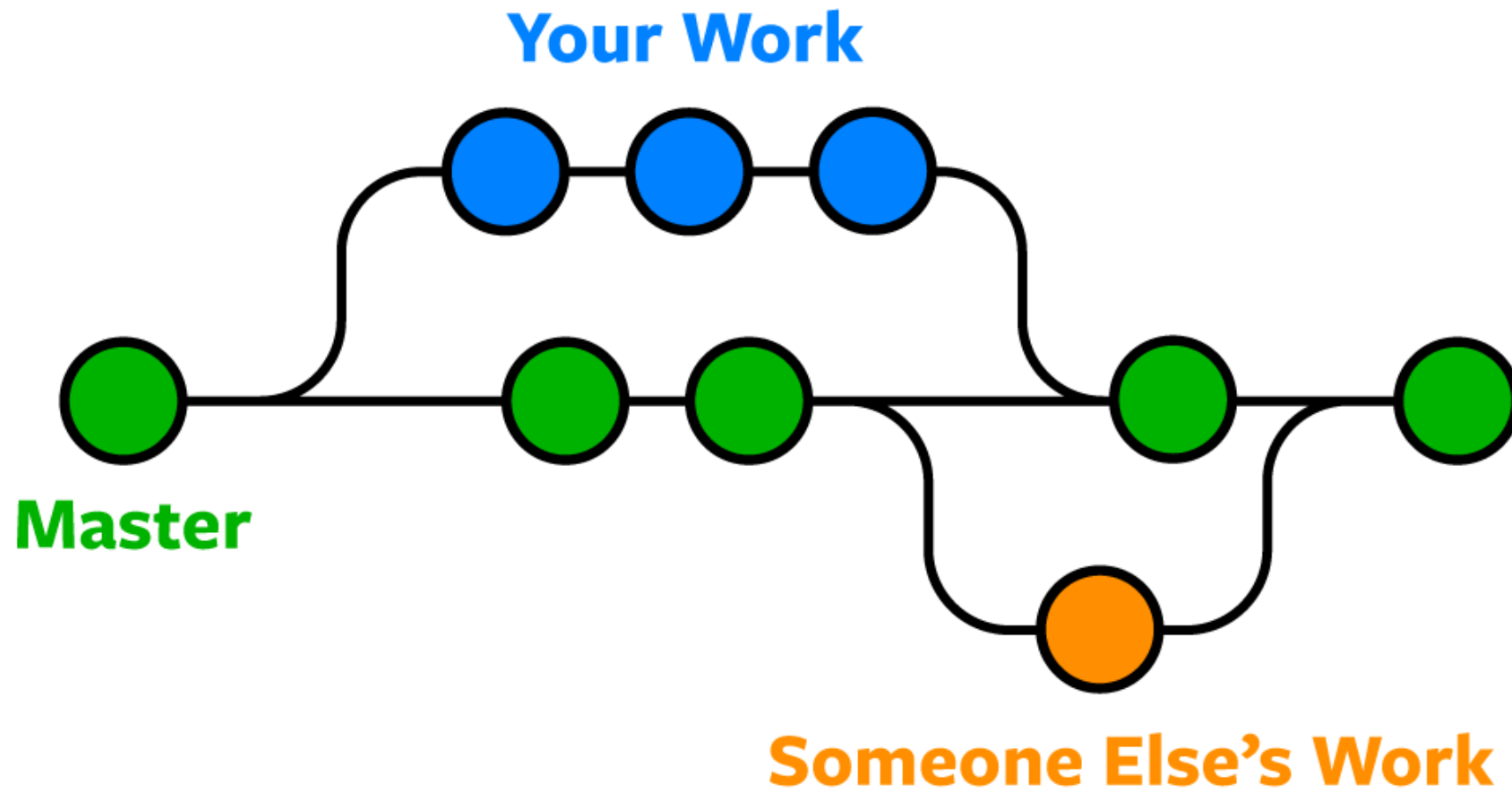
```
$ git clone git@github.com:dark9ive/git-practice.git
```

## 2. Git checkout

Switch to the specific branch.

```
$ git checkout main
```

# Git branch



# Git instructions

## 3. Git add

Stage modified files.

```
$ git add .
```

## 4. Git commit

Save your modification to local repository.

```
$ git commit -m "First commit."
```

# Git instructions

## 5. Git push

Upload your changes to the remote repository.

```
$ git push origin main
```

## Further courses

- How to collab with others? (Create / Merge branches)
- How to write an document? (Modify README.md, Markdown syntax)
- How to prevent files being tracked? (gitignore)
- How to undo your commits? (git reset)

# references

[SpongeBob\\_SquarePants.jpg](#)

[Git 是什麼？版本控制是什麼？ - Git 環境教學 | W3HexSchool](#)

[git-notequal-github.png](#)

[git-branches-merge.png](#)

# Any Question?

Course? Assignment? Exercise? TA?