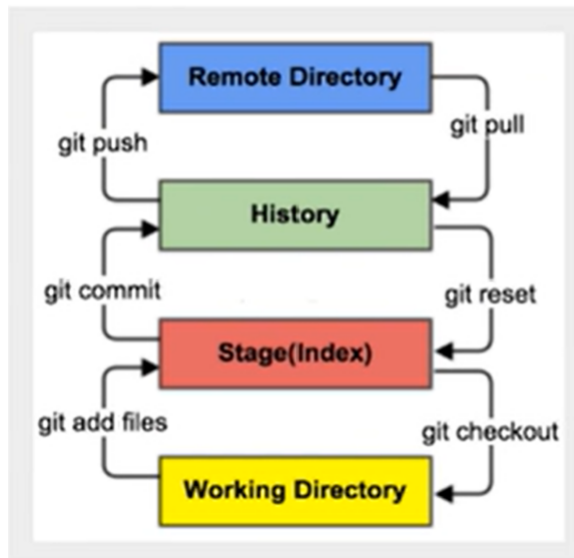


Notes on Git

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1 Open and Clone



First of all, open Git Bash by right clicking at the directory where you want to work with.

You can also input

```
cd your_folder_name
```

to change your path.

Then input

```
git clone github_code_link
```

to clone that repository.

*In order to get the code link, you go to a github repository and click the green button **Code**, then copy the HTTPS link.*

2 Editing, add and commit

After editing your files in your computer, you can input

```
git add file_name or git add --all
```

, then input

```
git status
```

to check which step are you now, then input

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

, and now input

```
git push
```

to ensure your change is uploaded to github

note that, when adding a folder, that folder must have some contents

```
git add folder_name
```

3 Advanced usage

3.1 Up load what you have created

To create a directory at your computer, do as following:

```
cd folder_name
```

```
git config --global user.name "your name"
```

```
git config --global user.email your_e-mail
```

```
git init
```

optional to create a file:

```
echo "file content" > file_name.file_type
```

```
touch file_name.file_type
```

```
git log
```

to see all versions, press q to quit

To ignore some files:

```
touch .gitignore
```

, and then input the file name in the .gitignore file

To add an new branch

```

git branch branch_name
git checkout branch_name -->to switch to new branch
git commit -a -m"comments" -->to add and commit simultaneously,
but note that for untracked files, -a does not work
git branch -d branch_name -->delete a branch
git branch -D_branchname -->delete a branch definitely
git checkout -b branch_name -->create and go to an new branch
git merge other_branch -->merge other branch to present branch

```

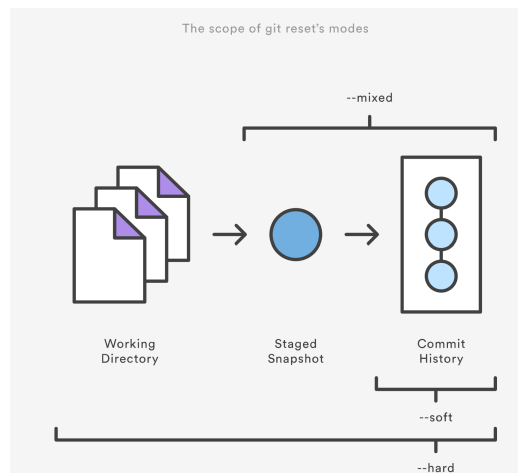
3.2 Download from github repository

```

git remote -v -->to see what relation is there from your PC and github repository
git fetch
git diff repository_name/branch_name
git pull

```

3.3 git reset to go back to previous version



```
git reset
```

has 3 options, -mixed, -soft and -hard, -mixed is the default option.