Report of environment installation and learning

Git - the distributed version control system

The installation of Git is quite easy, just follow the wizard and keep the default choices. Of course you can change some settings using the setup wizard.



After completing the Git Setup Wizard, we can start to learn about Git. According to the official website, Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

The beginners can start to learn about Git from this website:

https://try.github.io/levels/1/challenges/1

Here are the scripts for reference:

```
> git init
$ git status
```

\$ git status \$ git add octocat.txt

\$ git status

\$ git commit -m "Add cute octocat story"

\$ git add '*.txt'

\$ git commit -m 'Add all the octocat txt files'

\$ git log

\$ git remote add origin https://github.com/try-git/try_git.git

\$ git push -u origin master

\$ git pull origin master

\$ git diff HEAD

\$ git add octofamily/octodog.txt

\$ git diff --staged

\$ git reset octofamily/octodog.txt

\$ git checkout -- octocat.txt

\$ git branch clean_up

\$ git checkout clean up

\$ git rm '*.txt'

\$ git commit -m "Remove all the cats"

\$ git checkout master

\$ git merge clean_up

\$ git branch -d clean_up

\$ git push

In conclusion, Git is such a system that is quite useful for distributed version control, and our team can take advantage of this useful tool in our project.

Bug Tracking System and Continuous Integration Environment

According to Github, continuous integration can help catch bugs by running your tests automatically, and you can merge your code with confidence using one of their continuous integration providers. Here Travis CI is chosen as the CI provider.

The beginners can start to learn about Travis CI from this website:

https://docs.travis-ci.com/user/for-beginners

The builds failed in the given example:



After fixing the code in Test.php, the build succeeded:

