

Git @ Ohmori Group - Exercises 1

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1 Shell

Use the shell commands just learned during the lesson to complete the following exercises:

1. Open the terminal;
2. Create a file (python, txt, cpp), for example `hello.txt`. After each command, check the result in the working directory using the `ls` command;
3. Create a folder called `GIT_course`;
4. Move the file into the folder;
5. Enter the folder;
6. Rename or copy the file, for example naming it `hello_world.txt`;
7. Display on screen the list of commands just used

2 Text Editor from Terminal

Choose your preferred text editor (vim, gedit, nano, ...) and try adding a few lines to the text file `hello_world.txt` created during the previous exercise.

3 Repository Initialization

Use the Git commands just learned during the lesson from the terminal to complete the following exercises:

1. Initialize the Git repository, for example using the folder `GIT_course` created before. If not already present in the folder, create a text file and name it, for example, `hello_world.txt`.
At each step, check the status of the repository (note that the file `hello_world.txt` is shown as **untracked**);
2. Stage the file. What is the status of the repository now?
3. Commit the file with a message of your choice, for example "first commit". What is the status of the repository now?
4. View the repository log.
5. Modify the text file by adding another sentence and check the repository status. Are there any differences from the status at point 1?
6. View the differences in the file `hello_world.txt` between the current state and the staging area. What does this output show?
7. Stage and commit the file.