Postgrau Fullstack Exercises

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Git

Exercise 1

In this exercise, we are going to play with `git` and its commands. Describe the procedure and commands for the following:

1. Install git in your (Linux) system and set your username and e-mail.

2. In your system, create a bare repository called `myrepo.git`.

3. In your system, create two clones of `myrepo` called `wc1` and `wc2`.

4. In `wc1`, create two files `file1.txt` and `file2.txt` where `file1.txt` has the content "hello" and `file2.txt` has the content "bye". Describe the command to stage your current version of `file1.txt`.

5. Add a line to `file1.txt`. Which is the current state of `file1.txt`?

6. Now, stage all the changes made to `file1.txt` and create a commit.

7. Create a conflict between `wc1` and `wc2`. Describe how you know that there is a conflict and how you fix it.

8. Create a branch and commit some changes in it. Merge these changes in the master branch. Which type of merge is this (fast forward or 3 way merge)? Use some command or graphical tool to see the history graph. Finally, delete the created branch once merged.

9. Create another new branch and commit modifications in both the new branch and master. Merge these changes in master. Which type of merge is this (fast forward or 3 way merge)? Use some command or graphical tool to see the history graph. Finally, delete the created branch once merged.

10. Create an account in `Github.com`. This account will be used during the course (and beyond?). From the Github control panel create a new empty repo and create a clone in your local system called `wc3`. Use a command to see the details of the origin of `wc3`.

11. Change the origin of your `wc1` to point to your Github repository and push all your changes to this Github repo.

12. In pairs, make pull requests to each other. Describe how you do the pull request and how you accept it.

13. Go to `https://github.com/full-stack-bcn` and create a pull request in our class list repo to add your username in the `class_list.txt` file. Describe how you did it.