**RPZ-93a**

**Work-case 1**

**Git**  is software for tracking changes in any set of files, usually used for coordinating work among programmers collaboratively developing source code during software development.



**Github** provides a home for your Git-based projects on the internet. The remote host acts as a distribution channel or clearinghouse for your Git-managed project. It allows other people to see your stuff, sync up with you, and perhaps even make changes.

(Preparing material student Zvieriev Volodymyr)  
**The main commands of GitHub:**

* Git Add;

The **git add** command adds the contents of the working directory to the index (staging area) for later commit. By default, git commit only uses this index, so you can use git add to build a snapshot of your next commit.

* Git Status;

The **git status** command shows the status of files in the working directory and index: which files have changed but not added to the index; which are pending commit in the index. In addition, hints are displayed on how to change the state of the files.

* Git Diff;

The **git diff** command is used to calculate the difference between any two Git trees.

* Git Difftool;

The **git difftool** command simply runs an external diff tool to show the differences in the two trees, in case you want to use something other than the built-in git diff viewer.

* Git Comit:

The **git commit** command takes all the data added to the index with git add and saves a nugget of it in the internal database, then shifts the current branch pointer to that nugget.

* Git Reset;

The **git reset** command, as the name suggests, is mainly used to undo changes. It changes the HEAD pointer and, optionally, the state of the index. Also, this command can change files in the working directory when using the --hard option, which can lead to lost work if used incorrectly, so be sure you're serious before using it.

* Git Rm;

The **git rm** command is used in Git to remove files from the index and working copy. It is similar to git add except that it removes rather than adds files for the next commit.

* Git Mv;

The **git mv** command is just a convenient way to move a file and then git add on the new file and git rm on the old one.

* Git Clean;

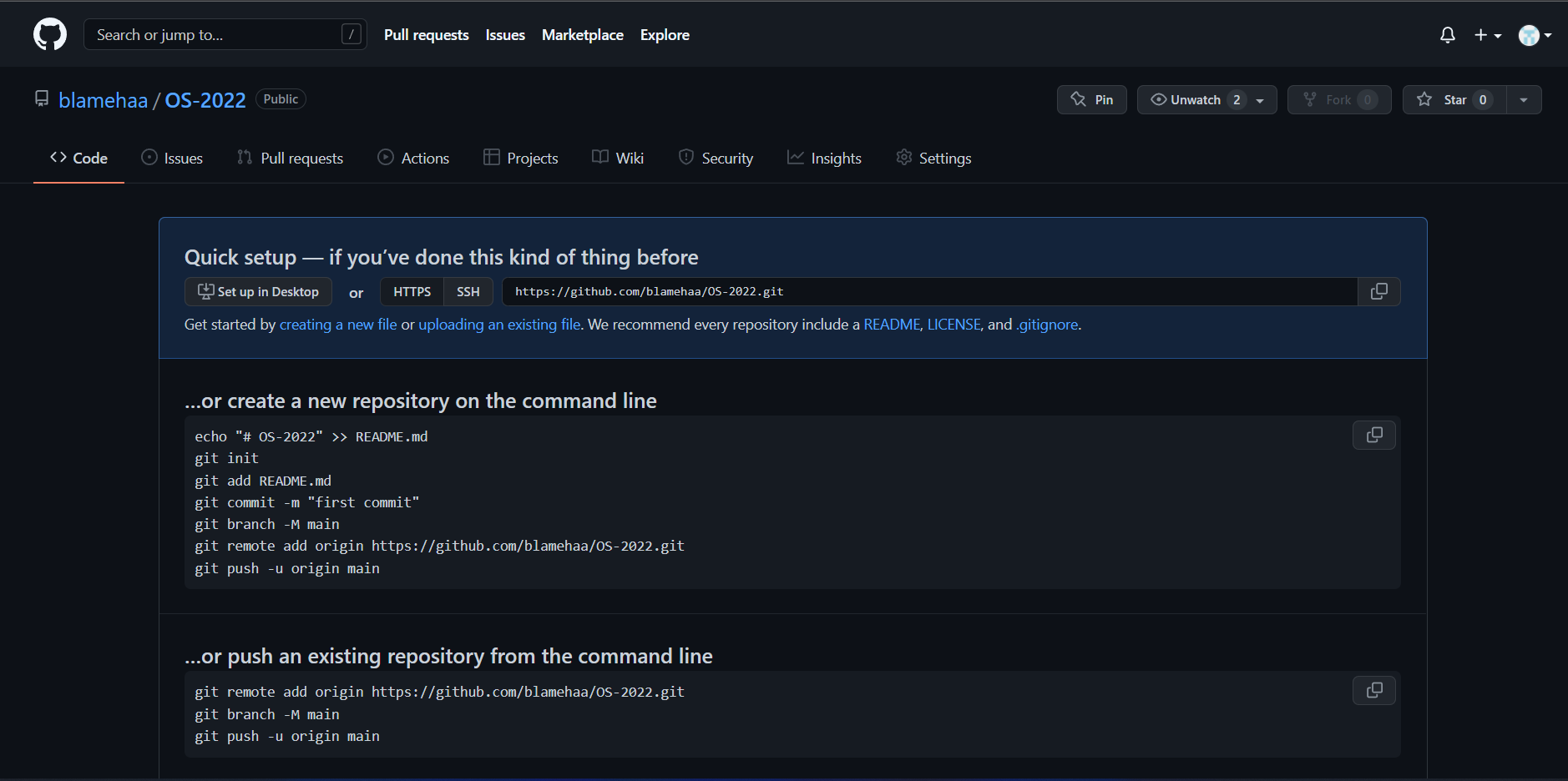
The **git clean** command is used to remove junk from the working directory. These can be project build results or merge conflict files.

We work in group: Rostyslav Brovchenko and Volodymyr Zvieriev.   
We created accounts on github:

Rostyslav Brovchenko: <https://github.com/blamehaa>

Volodymyr Zvieriev:

<https://github.com/ZWER0B0Y>

Our repository:

Link: <https://github.com/blamehaa/OS-2022>