

# SEMEIKHAN ALIBI

# HOW TO WORK WITH GIT [TUTORIAL]

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# ABOUT GIT

## **GIT IS A DISTRIBUTED VERSION CONTROL SYSTEM.**

Git is a set of console utilities that track and commit changes to files (most often we are talking about the source code of programs, but you can use it for any files you like). With it, you can rollback to an older version of your project, compare, analyze, merge changes, and more. This process is called version control.

# SETTING A NAME AND EMAIL

First of all, after installing the git on your computer, you need to set the name and email address, "--global" means that this value will be in all projects. If necessary, you can change the name and address in a specific project.

- `git config --global user.name <Your Name>`
- `git config --global user.email <your_email@mail.com>`





## GIT COMMANDS

- `git init` - Initializing repository
- `git status` - Show status
- `git add <file / '.'>` - Adding file to git
- `git commit -m "<message>"` - Committing new changes to the git memory

# GIT COMMANDS

- `git log` - List of commits
- `git show <commit_id>` - Show changes in the file in this commit
- `git diff <file_name>` - Show changes in the file, green text - added, red - removed

## GIT COMMANDS (GIT HUB)

- `git remote add origin <address (http...)>` - Adding a new remote server
- `git remote -v` - List of remote servers
- `git push -u <server> <branch>` - Add to GitHub
- `git pull` - give to the PC from GitHub