Fundamental git commands. git clone - Git clone creates a copy of the project in your local working environment. You just need to provide a path for the project. This path can be copied from the project main on the hosting services such as GitLab and GitMub. # clone with HTTPS git clone https://github.com/**** # clone with 88H git clone gitte gittab com: *** git branch - Once you clone the project to your local machine, you only have the master branch. You should make all the changes on a new branch that can be created using git I branch command. git boanch myboanch your branch is the copy of the master branch until git switch -> Creating a new branch does not mean that you are working on the new branch. You need to 8 witch to that branch git switch mybranch you are now on "mybranch" branch, I you can stort making changes.

4) git status - It provides a brief summary of the current status you will see what branch you are working on. It also shows if you have make any changes or anything to commit. git status Oh branch mybranch nothing to commit, working tree clean. git add - When you made changes in the code! (5) The branch you work on becomes different from the master boanch. These changes are not visible in the master branch unless you take a socies of actions. The first action is the git add command. This command adds the changes to what is called the Staging area git add commit Add to review Project Review director Stagling area Git repository fig: Basic git workflow.

git commit -m "your message" 6) git commit - It is not enough to add your updated files or scripts to staging were . You also need to "commit" these changes using git commit commad. The imp part of this change is the message part. It briefly explains what has been changed or the purpose of this change. There is not a strict set of rules to write commit mag. Msg should not be lengthy, but should explain what the change is about. (7) git push - The add I commit method make the changes in your local git repositor. In order to store these changes in a bremote branch (it; master branch), you first need to bush your Code. It is worth mentioning that some IDEs like Pycharma Allow for committing I bushing from the user interface. However, you still need to know that each and does. After your boanch is bushed, you will see a like in terminal that will take you to the hosting service website (Gritbub Gritlab) The link will open a bage where you can create a merege request is asking the maintainer of the project to "merege "your code to the marter boarch. Maintainer will first verile your code of the changes are ok, your code will be merged. Maintainer might also abort your branch & restore the master branch git pull - The burpose of using a vovesion control system is to maintain a project with many contributers. Thus, which you are working on a task in your local boanch, there might be some changes in the remote branch. Git pull and is used for making your local board up to date. Should use to update your local wooding directory with the latest files in the remote branch.