

PDF Cheat-sheet of Useful Git Commands

- git clone:
 - **This command creates a copy of a remote repository onto your local storage.**
 - syntax: *git clone <repo_url>* **(Creates a local copy of the repo).**
 - syntax: *git clone <repo_url> <repo_name>* **(Creates a local repo copy and assigns a name).**
- git branch:
 - **This command creates a branch of the trunk code so developers can work on features without altering the source code.**
 - syntax: *git branch <branch_name>* **(Creates the branch locally).**
 - Syntax: *git push -u <remote_repo_name> <branch_name>* **(Pushes branch to remote repo).**
 - Syntax: *git branch* or *git branch --list* **(shows current or listed branches).**
 - Syntax: *git branch -d <branch_name>* **(Deletes the branch locally).**
- git checkout:
 - **This command switches to your branch.**
 - syntax: *git checkout <name_of_your_branch>*
- git status:
 - **This command provides the necessary info of the current branch.**
 - syntax: *git status*
- git add:
 - **This command preps the files to be added to the next commitment.**
 - syntax: *git add <file>* **(Single file)**
 - syntax: *git add -A* **(All the files)**
- git commit:
 - **This command creates a checkpoint in the development.**
 - syntax: *git commit -m "message"* **(Saves changes locally)**

- git push:
 - **This command sends the changes to the remote server.**
 - syntax: `git push <remote_repo_name> <branch_name>`
 - syntax: `git push --set-upstream <remote> <branch_name>` **(Also uploads new branch)**
 - syntax: `git push -u origin <branch_name>` **(Short version of option above)**
- git pull:
 - **This command gets updates from the remote repository, it's a combo of merge and fetch.**
 - syntax: `git pull <remote_repo_name>` **(May cause conflicts you need to fix manually)**
- git revert:
 - **This command undoes a specified commit without changing the commit history.**
 - syntax: `git revert <commit hash code>`
- git fetch:
 - **This command allows you to update your locally cloned repo, after you've synchronized your forked repo online.**
 - syntax: `git fetch` **(You want to update your local dev branch)**
- git merge:
 - **This command is for uploading the feature branch to the master/main branch or "production"**
 - syntax: `git merge <branch_name>` **(Finally you upload your feature branch to production)**