



Git Excited
To Learn Git





bitfwd telegram

t.me/bitfwd





Create A Repository



What is git?

- Git is a version control system.
- Important for collaboration.
- It works by saving changes at each checkpoint and then layering them on top of each other.



What is git?





git status

- Shows the current status of your git commit tree.



git add -A

- Adds all unstaged files to your git tree.



git commit -m “MESSAGE HERE”

- Attaches a comment to the changes you have just made.
- Meaningful + succinct is key.





git push origin master

- Pushes the code to the git server



git branch

- Shows you all current local branches on your computer.
- “*” indicates current branch.



git checkout -b “BRANCH NAME”

- Creates a new branch titled “BRANCH NAME”
- Switches your current branch to the new branch.
- Type git branch and see for yourself.



Branch



initial

commit

HEAD

branch



git log

- Show you your git log (aka your commit history).



git diff "optional file name"

- Shows you what changes have yet to stage.
- `git diff --cached "optional file name"` shows what you have already staged.



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Branch





git rebase

- To rebase branch on top of master:
checkout into your branch
- `git fetch origin` # Updates origin/master
- `git rebase origin/master` # Rebases current
branch onto origin/master





Branch



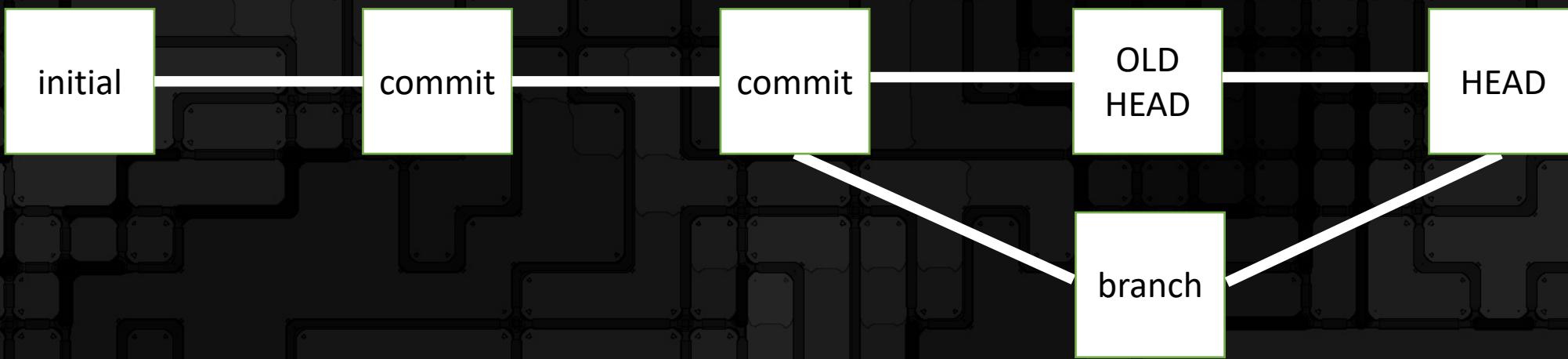


git merge

- Merges specified branch into current branch.
- `git checkout master`
- `git merge dev`
- `git push origin master`



Branch





merge or rebase

- Rebase whenever you can, especially if it is a small feature.
- Main benefit of merging is that you retain history on both branches (i.e. if you worked on a huge feature with many commits).





git pull origin master

- Retrieves any updates that have been pushed to the repository.
- `git fetch && git merge`



git clone “url”

- Copies a repository to your device.