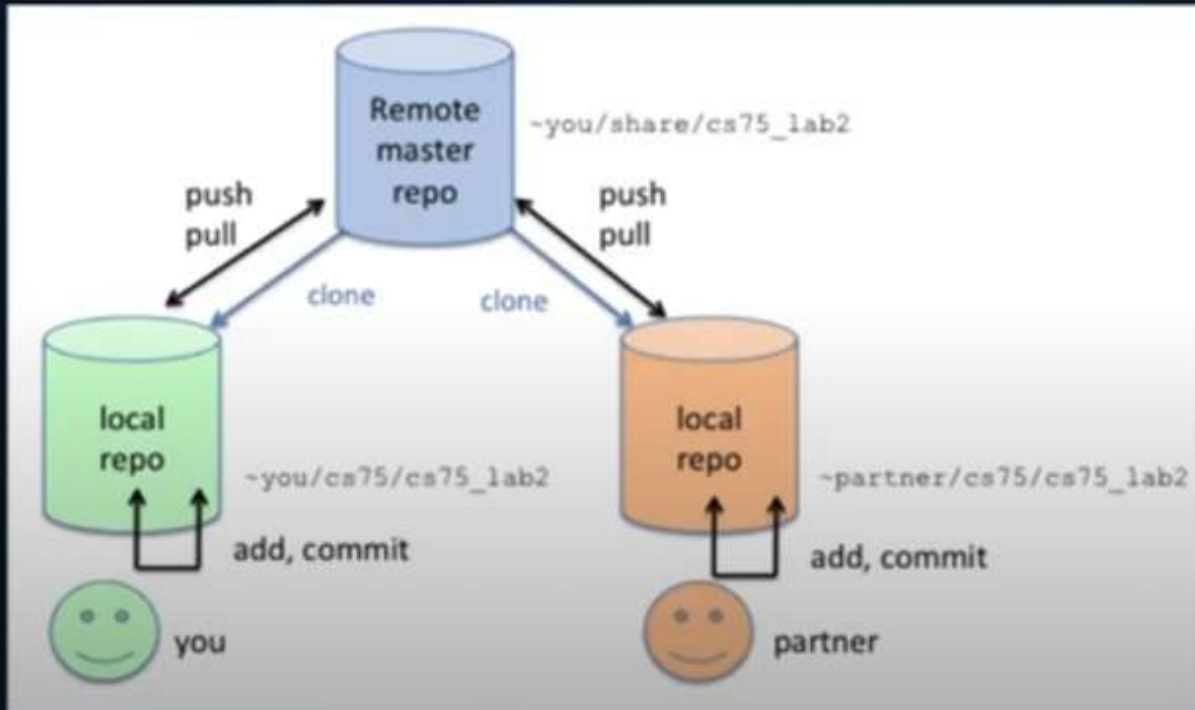
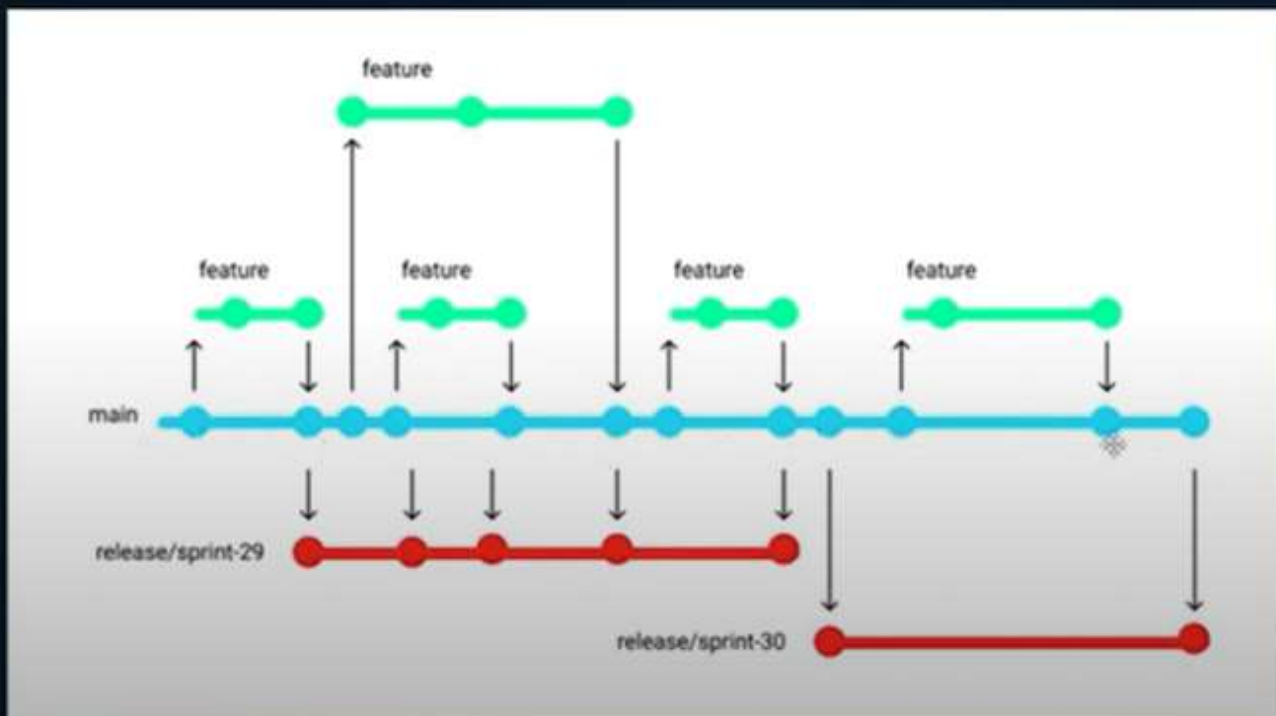


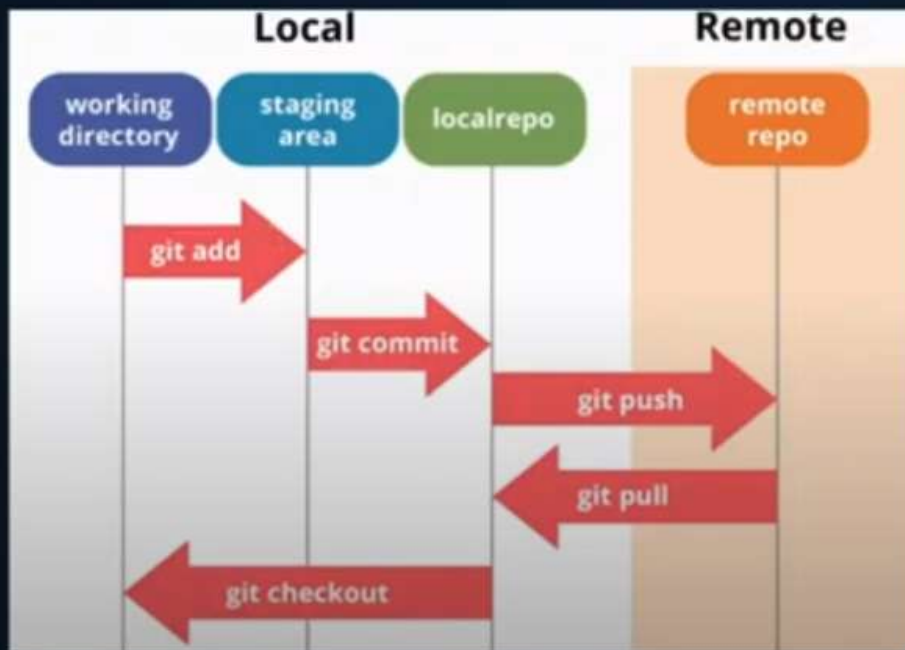
Ce este github?



Ce este git?



Git main workflows



```
git clone
imi aduce un remote repo local

git init
imi initializeaza git intr-un folder local

repo
un loc in cloud in carte ne incarcam un proiect

git add .
ne punem in plic fisierele

git commit -m "mesaj"
sigilam plicul si scriem pe el un mesaj

git push
din PO box ajunge la destinatar (github)
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git push
din PO box ajunge la destinatar (github)

git pull
ne aducem modificarile din cloud

git branch
vedem branchurile existente
```

CREATE

Clone an existing repository
`$ git clone https://username@domain.com/rep.git`

Create a new local repository
`$ git init`

LOCAL CHANGES

Changed files in your working directory
`$ git status`

Changes to tracked files
`$ git diff`

Add all current changes to the next commit
`$ git add .`

Add some changes in <file> to the next commit
`$ git add -p <file>`

Commit all local changes in tracked files
`$ git commit -a`

Commit previously staged changes
`$ git commit`

Change the last commit
Don't amend published commits!
`$ git commit --amend`

COMMIT HISTORY

Show all commits, starting with newest
`$ git log`

Show changes over time for a specific file
`$ git log -p <file>`

Who changed what and when in <file>
`$ git blame <file>`

BRANCHES & TAGS

List all existing branches
`$ git branch -av`

Switch HEAD branch
`$ git checkout <branch>`

Create a new branch based on your current HEAD
`$ git branch <new-branch>`

Create a new tracking branch based on a remote branch
`$ git checkout -track <remote/branch>`

Delete a local branch
`$ git branch -d <branch>`

Mark the current commit with a tag
`$ git tag <tag-name>`

UPDATE & PUBLISH

List all currently configured remotes
`$ git remote -v`

Show information about a remote
`$ git remote show <remote>`

Add new remote repository, named <remote>
`$ git remote add <shortname> <url>`

Download all changes from <remote>, but don't integrate into HEAD
`$ git fetch <remote>`

Download changes and directly merge/integrate into HEAD
`$ git pull <remote> <branch>`

Publish local changes on a remote
`$ git push <remote> <branch>`

Delete a branch on the remote
`$ git branch -dr <remote/branch>`

Publish your tags
`$ git push --tags`

MERGE & REBASE

Merge <branch> into your current HEAD
`$ git merge <branch>`

Rebase your current HEAD onto <branch>
Don't rebase published commits!
`$ git rebase <branch>`

Abort a rebase
`$ git rebase --abort`

Continue a rebase after resolving conflicts
`$ git rebase --continue`

Use your configured merge tool to solve conflicts
`$ git mergetool`

Use your editor to manually solve conflicts and (after resolving) mark file as resolved
`$ git add <resolved-file>`
`$ git rm <resolved-file>`

UNDO

Discard all local changes in your working directory
`$ git reset --hard HEAD`

Discard local changes in a specific file
`$ git checkout HEAD <file>`

Revert a commit (by producing a new commit with contrary changes)
`$ git revert <commit>`

Reset your HEAD pointer to a previous commit ...and discard all changes since then
`$ git reset --hard <commit>`

...and preserve all changes as unstaged changes
`$ git reset <commit>`

...and preserve uncommitted local changes
`$ git reset --keep <commit>`

Tools

- **Jing** - Screen capture software
- **Postman** - Testing tool for REST API
- **Jira, Trello** - Issue tracking and project management tool for developers
- **Selenium IDE** - Open source record and playback test automation for the web
- **Bug Magnet** - Exploratory testing assistant for Chrome and Firefox
- **Mouse Recorder** - mouse and keyboard recording macro
- **xPath Finder** - XPath finding tool
- **Xmind, Mind Meister** - Mind mapping softwares
- **draw.io** - Flowchart maker and online diagram software
- **Github**
- **BlazeMeter** (<https://www.blazemeter.com/>) - Load testing platform