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GIT Concepts

Ability to work with basic git flows.

Ability to rebase and resolve merge conflicts,

Ability to work on any review comments.

Follow commit message hygiene and consistency.

GIT Add Repository

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Step 1 : Add Repository

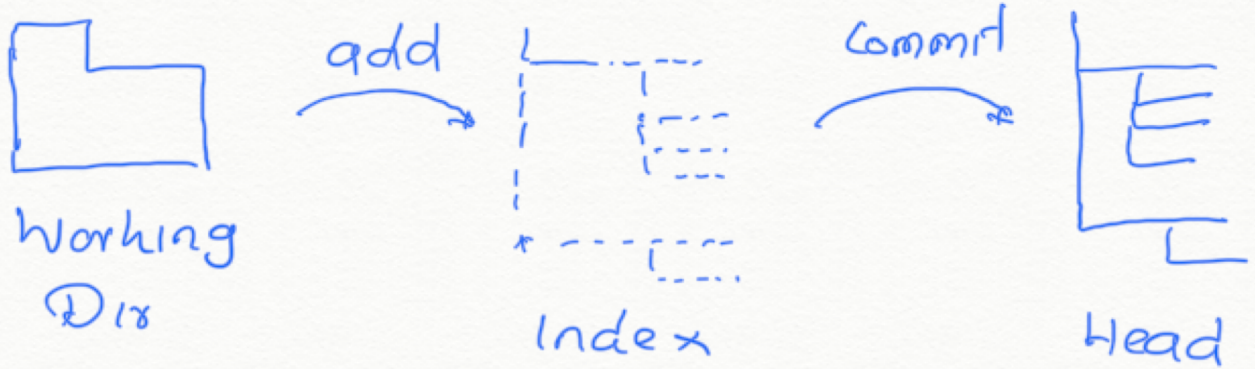
A:) Create New Repo

git init

B:) Checkout a Repo

git clone path.

Th:I : Local Repo consists 3 Trees



GIT Add, Commit & Push Changes

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Step 2 : Add & Commit

A:) git add <FN> or git add *

B:) git commit -m "Commit Message"

⇓

File is committed to head but not yet in REMOTE Repo

Step 3 : Pushing changes

A:) git push origin master

⇓

or any Branch

B:) Add new Remote Server & Push

a:) git remote add origin <server>

b:) git Push

GIT Braching

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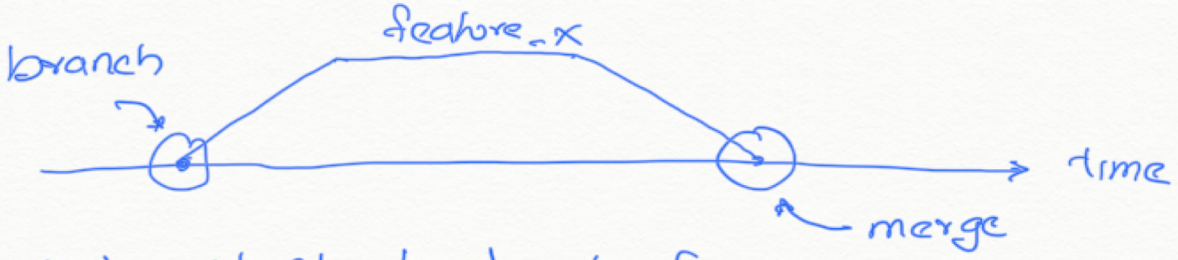
Th 2 : Branching

- Used to Develop Features & merge with master branch which is default on Completion

Step 4 : Branch



A:) git checkout -b feature_x

B:) git Checkout master

C:) git branch -d feature_x

D:) git push origin <branch>

GIT Update and Merge

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Step 5 : Update & merge

A:) git pull ⇒ in Working Dir to fetch & merge remote changes

B:) git merge <<branch>> ⇒ To merge another branch into your active branch

↓↓

With Show Conflicts. In that case resolve & git add

C:) git diff <source branch> <target branch>

↳ previews the conflicts.

Th 3 ⇒ Tagging & Logging .. git stash, git ignore..

GIT Scenarios and Workflows

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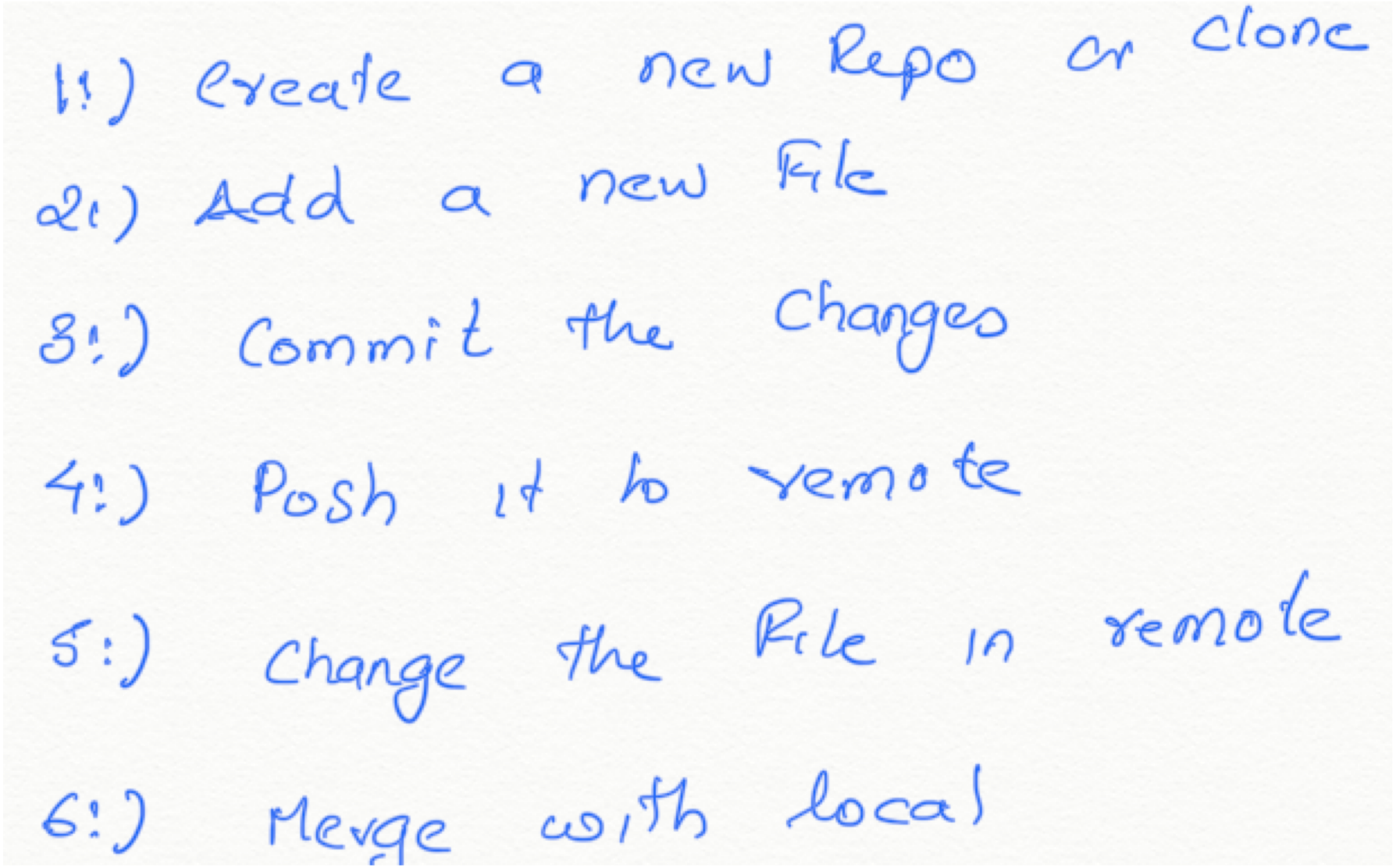

GIT Scenarios and Workflows

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7:) Change the File in local & remote
Create Conflict & Resolve

8:) Create Branch

9:) Change the File in Remote in master branch

10:) Change the file in branch,
Check the diff & merge the change
in the branch

GIT References

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- git - the simple guide.pdf
- Learn Git by Atlassian