15.13Apr.GitAdv(Reset, Rebase, Interview QnA)

13 April 2023 07:09 PM

Reset

Commit1

Commit2

Commit3

Commit4

Commit5

Commit6

--soft

--hard

--mixed

\$ git log --oneline

13078f0 (HEAD -> master) m4

1be7ea5 m4

b85b0c9 m3

8689b4d m2

3cd5fbc master added

\$ git reset b85b0c9

\$ git log --oneline

13078f0 m5

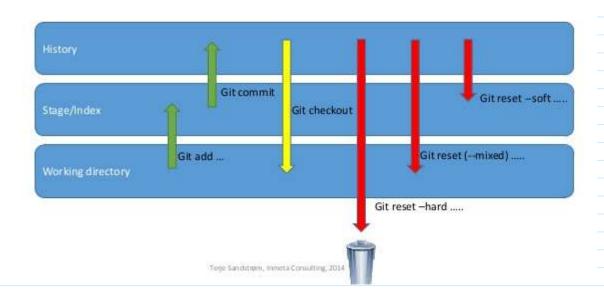
1be7ea5 m4

B85b0c9 (HEAD -> master) m3

8689b4d m2

3cd5fbc master added

Git tree movements visualized



\$ git branch -D master # Delete Local branch

\$ git checkout origin/master -b master

\$ echo Welcome > master.txt

\$ git add master.txt Working Directory Area ---> Stagging Area

\$ git rm master.txt

m	as	ter
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В1 B2

\$ git diff [sourceBranch] [targetBranch] # Preview changes before merging

\$ git remote add origin http://github.com/uscompany/usproject.git

\$ git push -u origin master

\$ git push origin

\$ git remote show

\$ git remote add uae http://github.com/uaecompany/uaeproject.git

\$ git push -u uae master

\$ git push origin --delete branch10 # delete a remote branch

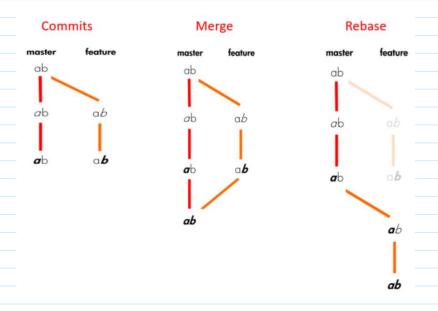
\$ git pull origin branch25

\$ git restore --staged abc.py

\$ git restore --staged .

R1

master $c1 \rightarrow c2 \rightarrow c3$. Ramesh F1 $c3 \rightarrow c4 \rightarrow c5$ Santosh



\$ git rebase master feature

Rebase:

- > Takes a starting commit and replays your commit as coming after thiers
- Moves commits from the current branch to another branch
- 1. Reset
- 2. Rebase(Merge+1 Commit)
- 3. Revert

- 1. Git Areas (Working Directory Area, Staging, Local Repo., Remote Repo.)
- 2. Git Important commands(git add, commit, push, pull, init, clone, config, etc)
- 3. Branch Management Commands (branch, checkout)
- 4. Difference Tool: \$ git diff (kdiff3, meld)
- 5. Merge
 - a. Non-Conflict
 - b. Conflict
- 6. Pull (Remote --> Work Directory)
- 7. Fetch(Remote --> Local Repo.)
- 8. Collaboration(Practical Rebase) & Linux(Dual Boot, Single Boot, Oracle VirtualBox) --> Kali (SysSecOps)

F1.txt ---> F1.txt

DevOps

- Maven(10%) --> Jenkins
- 4. Git Adv Cmds
- 5. Setup Kali
- 6. Linux Commands
- 7. Basics YAML
- 8. Github Actions

Windows:

4GB --> 8/16GB

SysOps

- Linux
- Security
- ➤ SQL --> YAML
- Pipeline (Github Action/ GitLab Action)
- Ansible
- ➤ TF
- Docker
- Kubernetes

Cloud

- Cloud(laaS, PaaS, laaC)
- ClouOps

Git

- What is Git?
- CVCS vs DVCS

	Clone vs Download
>	Why Branch
>	How to Merge Conflict
	Pull vs Fetch
۶	Merge vs Rebase
>	Origin
	Area in Git
>	Git Tag
	Release Plan
>	Branching Principal