**Rebasing**

Rebasing alternative he merge ka.

**Comparing merging and rebasing:**

Dono hi commands humy help krti hein branches ko combine krne k liye.

Merging me scene ye hy k agr apki master branch active hy us pr commits huye jaa rhy hien wo lazman apko wo changes apne pass chahiye jb aap un ko merge krogy apni feature branch me to aik merge commit generate hoga or history linear ni hogi. Rebase krne se history linear ho jati hy or apki feature branch tip of the master se start hoti hy.

Two ways that can work:

1. Merging krty jao end pr rebasing kr lo
2. Merging kro hi na rebasing hi kr lo.

**When not to Rebase: Golden Rule:**

Wo commits rebase ni krne jo apke collaborators k sath shared hein wrna unke pass jo history hogi wo apke pass ni hogi or apki waali unke pass ni hogi. Ku k rebase history ko rewrite krta hy or rebased wo branch hoti hy jis pr ap git rebase <branchname> ye command run krty ho.

**Rebase Conflicts:**

Rebase ke conflicts solve krne k liye hum bs add krty hein or uske baad git rebase –continue

**Use Rebase as a Cleanup Tool:**

* Git rebase -I HEAD~<commit-number> : reword,pick….
* Aese krne se jitney commit peeche jiengy us commit se le kr new commits tk sb ka hash change hojyega beshak apke koi aik hi reword kia hy.
* Commands: pick,reword,squash,fixup,drop

**Details:**

1. Fixup : commits jin par ye command run hogi wo commits apne se baad ane wale commit me mil jiengy or khud khtm hi jiengy.
2. Squash: kaam fixup wala hy lekin khd khtm ni hongy
3. Reword: commit message change krne k liye.