2 branches - Feature and master

Master m1 m2 m3

Feature F1 F2

git checkout master - **currently in master branch**

1. **git merge feature** - will merge **all** the commits of feature branch to master branch. Eg : the list of commits in master will be f2 , f1, m3, m2, m1.
2. **git merge --squash feature** - To just have one commit having the updated content of the feature branch. I.e instead of having all the commits of feature branch, it summarizes it as one commit and stores it in master branch eg: final\_commit, m3,m2,m1

In feature branch, on entering **git rebase master-** It summarizes all the commits of master branch after the common commit between master and feature (here it is M3) into one commit and re initialises the start branch of feature (F1) to the last updated commit of master (m3) eg: f2 f1 m3 m2 m1

Master m1 m2 m3

Feature m1 m2 m3 F1 F2

In master branch, on entering git rebase feature - it does the following : eg: f2 f1 m3 m2 m1

Master m1 m2 m3 F1 F2

Feature m1 m2 m3 F1 F2

<https://www.youtube.com/watch?v=CRlGDDprdOQ>