**<https://github.com/>**

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1. **Clone a Repository**

git clone <https://github.com/lovetaneja/PracticeRepository>

1. **Add to Repository**

git add testFile3.txt

git add .

1. **Commit to Repository**

git commit -m "committing test file 3"

1. **Define the author name to be used for all commits in the current repository.**

git config --global user.name lovetaneja

git config --local user.email [taneja.love@gmail.com](mailto:taneja.love@gmail.com)

1. **Status**

git status

1. **Create a .gitignore file in repository, add it, commit it and push it to repository. Update this file to tell which files git should ignore (e.g. \_DS\_Store file of MacOS)**
2. **Push to Repository**

git push

1. **Difference**

git diff

1. **Branch**

git branch PracticeRepository-Branch1

1. **Checkout from Branch**

git checkout PracticeRepository-Branch1

1. **Push in Branch**

git push origin PracticeRepository-Branch1

1. **Switch to Master Branch**

git checkout master

1. **Merge to changes from Branch to Master**

git checkout master

git merge PracticeRepository-Branch1

git push origin master

1. **Delete a branch**

git checkout master

**Local Delete**: git branch -d PracticeRepository-Branch1

**Remote Delete**: git push origin --delete PracticeRepository-Branch1

1. **Rebase:** This is required to merge the commits into one. Using pick and squash

git rebase -i HEAD~4

git rebase –abort

1. **Squash N Messages**

There are two options to squash last N commits into a single commit. Include both of the below mentioned options in your answer:

* If you want to write the new commit message from scratch use the following command  
  git reset –soft HEAD~N &&  
  git commit
* If you want to start editing the new commit message with a concatenation of the existing commit messages then you need to extract those messages and pass them to Git commit for that I will use  
  git reset –soft HEAD~N &&  
  git commit –edit -m”$(git log –format=%B –reverse [.HEAD@{N}](mailto:.HEAD@%7bN%7d))”

1. **list of files that has changed in a particular commit**

git diff-tree -r {hash}

git diff-tree –no-commit-id –name-only -r {hash}

1. <https://www.edureka.co/blog/interview-questions/top-devops-interview-questions-2016/>