# Git Lab – 13-01-2021

1. Initialized empty git repo
2. Created Readme.md file
3. Added and committed the changes in local repository.
4. Added GitHub repo as the remote origin.
5. Pushed changes to the repository.

Text

Description automatically generated

Resetting the staged changes to unstaged changes:

1. Edit any existing file
2. Check status using “git status” command

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1. Stage the changes using “git add file\_name”
2. Execute “git reset HEAD file\_name”
3. All the staged changes have been unstaged.

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Git Log

Text

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Adding, Committing & pushing a python file to repository:

1. Created Hello.py
2. Added Hello.py using : git add Hello.py
3. Committed using : git commit -m “Added DEMO Python file”
4. Pushed using : git push

Branching in GIT:

1. Creating branch : git branch BRANCH\_NAME
2. Switch to new branch : git checkout BRANCH\_NAME
3. Add a new file, and commit the changes

Text

Description automatically generated

1. Show the list of files present in first branch using ls command

Graphical user interface, text

Description automatically generated

1. Switch back to the master branch: git checkout master
2. Check the list of files present in master branch: ls

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We can see that the new file is not present in master branch.

Merging Branches

1. Checkout to master branch using: git checkout master
2. Merge branches using : git merge –no-ff FirstBranch
3. Write a commit message and press: Esc + :wq

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Rebasing:

1. git remote add upstream “repository link”
2. git fetch upstream
3. git checkout master
4. git rebase upstream/master