# Git Lab Exercise

## Question:

Explain how to clean up and push back to remote Git

## Answer:

Cleaning up in Git refers to removing unwanted changes, commits, or branches in the local repository and then updating the remote repository to match the cleaned state.  
  
1. Cleaning uncommitted changes: Discard edits or files in the working directory that are not needed.  
2. Cleaning up commits: Remove or modify commits that should not be part of the history.  
3. Cleaning up branches: Delete unnecessary branches locally and remotely.  
  
After cleanup, pushing ensures the remote repository reflects the cleaned state, keeping both local and remote in sync and avoiding confusion for collaborators.

## Commands to Run the Complete Exercise

### Verify Git installation

git --version

### Navigate to your desired folder

cd path\to\desired\location

### Clone the repository (if remote exists)

git clone https://github.com/karnatisreejareddy9603/git-lab-test.git

### Enter project directory

cd git-lab-test

### Check current branch and status

git checkout master  
git status

### List all branches

git branch -a

### Pull latest changes from remote master

git pull origin master

### Switch to lab branch

git checkout Git-T03-HOL\_002

### Push lab branch changes

git push origin Git-T03-HOL\_002

### View commits on remote branch

git log origin/Git-T03-HOL\_002 --oneline

## Output:







