git init : creates a new empty Git repository in the current folder.

git clone https://github.com/varungupta132/Hack-And-Viz-Hackathon-GLA.git : downloads project from GitHub into your system.

mkdir practice : creates a new folder named practice.

cd practice : enters inside the practice folder.

echo "Hello Git!" > file.txt : creates file.txt and writes Hello Git! inside it.

git add file.txt : adds file.txt to staging so git can track changes.

git add . : adds all modified or new files to staging area.

git commit -m "this is a practice commit with BridgeLabz" : saves the staged changes with a commit message.

echo "Adding more content." >> file.txt : adds extra content to file.txt.

git status : shows which files are modified or staged or untracked.

git log : shows full commit history with author, message and time.

git remote add origin https://github.com/varungupta132/practice.git : connects local repo to remote GitHub repo.

git branch -M main : renames current branch to main.

git push -u origin main : uploads local code to GitHub and sets main as default tracking branch.

git log --oneline : shows commit history in single-line format.

git switch main : switches to main branch.

git diff : shows what changes are made in files but not committed yet.