# Command Reference Guide

## Context: Initialize Git

Explanation: Initializes a new Git repository in your project folder.

Commands:git init

## Context: Link Local Project to GitHub Repository

Explanation: Sets the GitHub repository as the remote repository for your local Git project.

Commands:git remote add origin <your-github-repo-url>

## Context: Stage All Changes

Explanation: Stages all modified files in the project for the next commit.

Commands:git add .

## Context: Commit Changes

Explanation: Commits the staged changes with a descriptive message.

Commands:git commit -m 'Initial commit'

## Context: Push Changes to GitHub

Explanation: Pushes committed changes to the specified branch on GitHub.

Commands:git push -u origin main  
git push -u origin master

## Context: Pull Changes from GitHub

Explanation: Pulls the latest changes from the GitHub repository and merges them into your local branch.

Commands:git pull origin main  
git pull origin master

## Context: Exit Vim Editor

Explanation: Saves and exits Vim editor (`:wq`) or exits without saving (`:q!`).

Commands::wq  
:q!

## Context: Exit Nano Editor

Explanation: Exits the Nano editor and prompts to save if there are unsaved changes.

Commands:Ctrl + X  
Y (yes) or N (no) for saving

## Context: Merge Branches with Unrelated Histories

Explanation: Merges `master` branch into the current branch, allowing for unrelated histories.

Commands:git merge master --allow-unrelated-histories

## Context: Resolve Merge Conflicts

Explanation: Stages and commits files after resolving merge conflicts.

Commands:git add <file-name>  
git commit -m 'Resolved conflicts'

## Context: Pull with Unrelated Histories

Explanation: Pulls changes from GitHub, allowing for unrelated histories if branches differ in history.

Commands:git pull origin main --allow-unrelated-histories

## Context: Compile and Run Java Program

Explanation: Compiles (`javac`) and runs (`java`) the Java program from the command line.

Commands:javac First\_Program.java  
java First\_Program