

Step 1 : Create a new Git repository

```
PS C:\Users\arjun\Desktop\Git_Practice> git init
Initialized empty Git repository in C:/Users/arjun/Desktop/Git_Practice/.git/
```

Step 2 : Create a file and commit changes

```
PS C:\Users\arjun\Desktop\Git_Practice> git commit -m 'adding main.py'
[master (root-commit) a2528a3] adding main.py
1 file changed, 16 insertions(+)
create mode 100644 main.py
```

Step 3: View the commit history of your repository

```
PS C:\Users\arjun\Desktop\Git_Practice> git log --oneline
a2528a3 (HEAD -> master) adding main.py
```

Step 4 : Open the file you created earlier and make some changes to it

Step 5 : Check the file you modified is now marked as modified and unstaged

```
PS C:\Users\arjun\Desktop\Git_Practice> git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   main.py
```

Step 6 : Stage the changes you made to the file and commit the changes to the repository.

```
PS C:\Users\arjun\Desktop\Git_Practice> git add .
warning: in the working copy of '.idea/workspace.xml', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\arjun\Desktop\Git_Practice> git commit -m 'adding newly added changes'
[master b4013d0] adding newly added changes
6 files changed, 6 insertions(+), 26 deletions(-)
delete mode 100644 .idea/inspectionProfiles/Project_Default.xml
delete mode 100644 .idea/inspectionProfiles/profiles_settings.xml
delete mode 100644 .idea/misc.xml
delete mode 100644 .idea/vcs.xml
```

Step 7: Clone the repository you have created in GitHub.

```
PS C:\Users\arjun\Desktop\Git_Practice> git clone https://github.com/Mallikharjuna71/git_assignment.git
Cloning into 'git_assignment'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

Step 8: Fetch the changes, navigate into the cloned repository using the command line, and use the command git fetch to fetch any changes that have been made to the original repository since you cloned it.

```
PS C:\Users\arjun\Desktop\Git_Practice> cd git_assignment
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git branch
* main
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git fetch origin main
From https://github.com/Mallikharjuna71/git\_assignment
 * branch                main          -> FETCH_HEAD
```

Step 9: Pull changes, merge the changes you just fetched into your local copy of the repository, and use the command git pull.

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git merge
Already up to date.
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git pull
Already up to date.
```