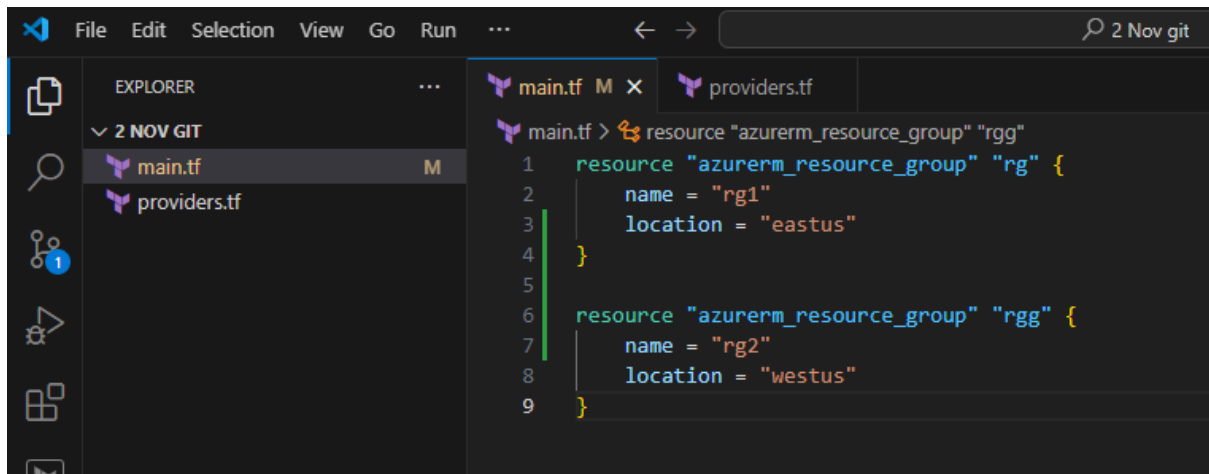
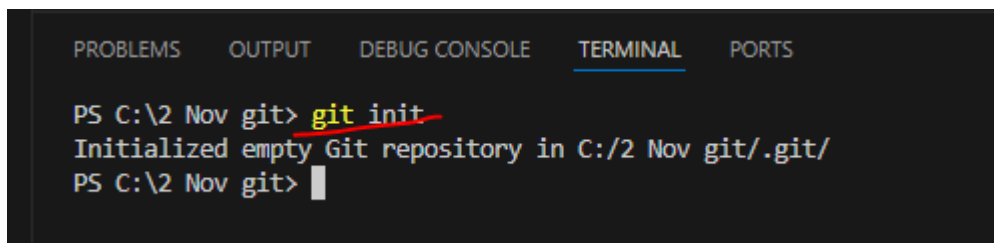


1) Create folder "2 Nov git"

2) Create main.tf and other files with written code in folder

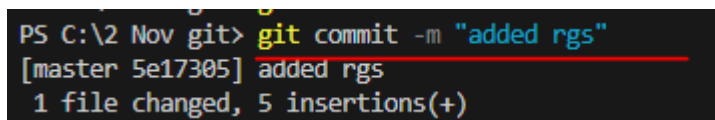


3) **git init**

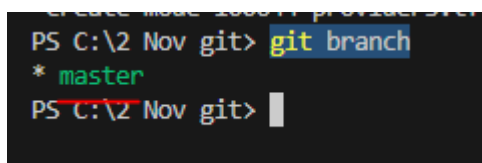


4) **git add .**

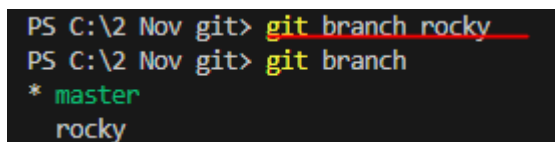
**git commit -m "added rgs"**



5) **git branch** – now we can see master branch in which we are in.



6) **git branch rocky**



**git branch munna**

```

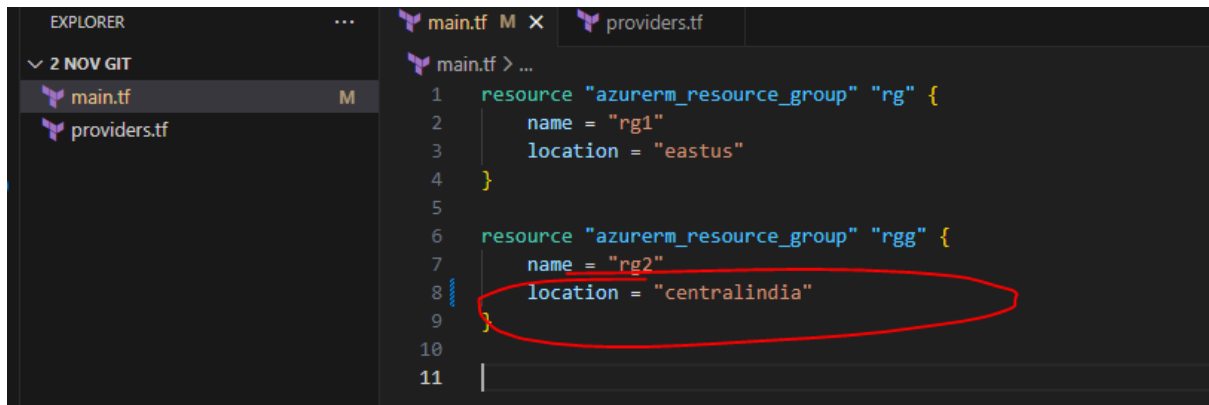
PS C:\2 Nov git> git branch munna
PS C:\2 Nov git> git branch
* master
  munna
  rocky

```

So we have created 2 branches as above

7) Now rocky gone into his branch and changed location as centralindia and provider versions as 4.6.1

**git checkout rocky**

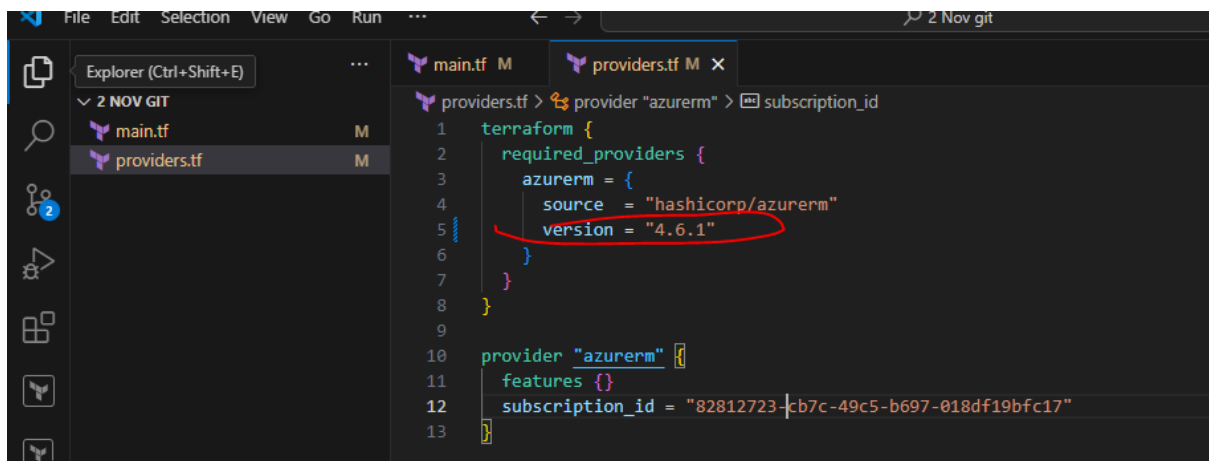


```

EXPLORER
  2 NOV GIT
    main.tf M
    providers.tf

main.tf M
1 resource "azurerm_resource_group" "rg" {
2   name = "rg1"
3   location = "eastus"
4 }
5
6 resource "azurerm_resource_group" "rgg" {
7   name = "rg2"
8   location = "centralindia"
9 }
10
11

```



```

File Edit Selection View Go Run ... 2 Nov git

Explorer (Ctrl+Shift+E)
  2 NOV GIT
    main.tf M
    providers.tf M

providers.tf M
1 terraform {
2   required_providers {
3     azurerm = {
4       source = "hashicorp/azurerm"
5       version = "4.6.1"
6     }
7   }
8 }
9
10 provider "azurerm" {
11   features {}
12   subscription_id = "82812723-b7c-49c5-b697-018df19bfc17"
13 }

```

**git add .**

**git commit -m "code updated"**

**git status**

```

PS C:\2 Nov git> git status
On branch rocky
nothing to commit, working tree clean
PS C:\2 Nov git>

```

8) Now go to master branch and merge rocky

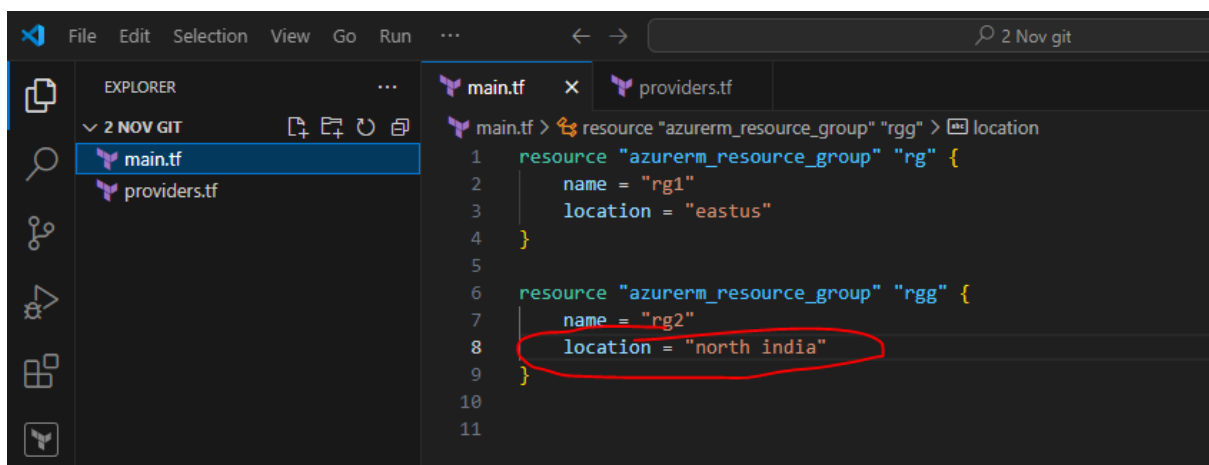
**git checkout master**

**git merge rocky**

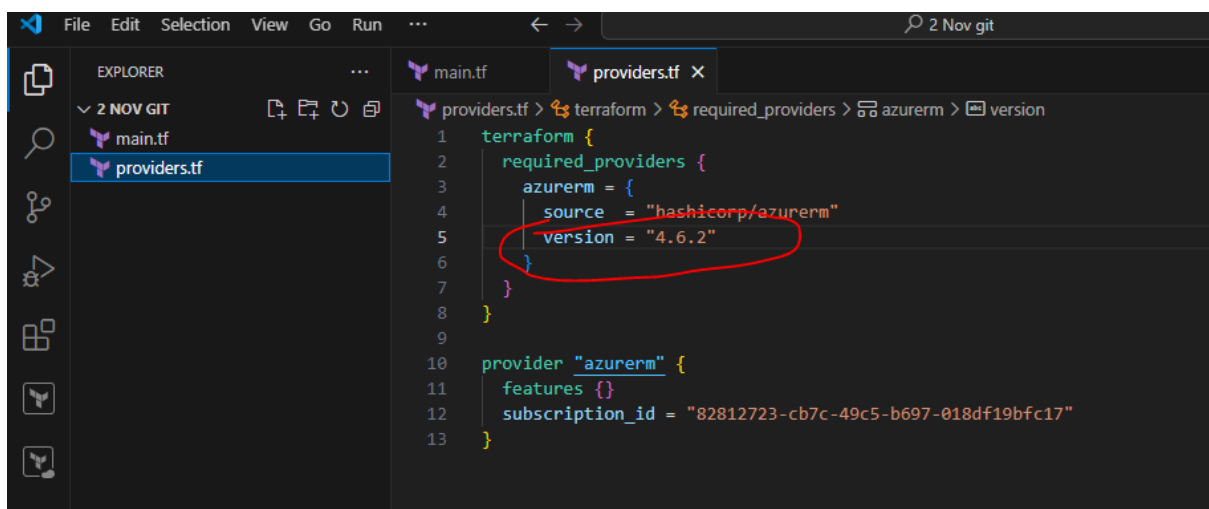
```
PS C:\2 Nov git> git checkout master
Switched to branch 'master'
PS C:\2 Nov git> git merge rocky
Updating b51a2b7..5f4544e
Fast-forward
 main.tf      | 2 +-
 providers.tf | 2 +-
 2 files changed, 2 insertions(+), 2 deletions(-)
PS C:\2 Nov git>
```

9) Now munna goes to his branch changed location as “north india” and provider version as “4.6.2”

**git checkout munna**



```
main.tf | resource "azurerm_resource_group" "rgg" {
1  resource "azurerm_resource_group" "rg" {
2      name = "rg1"
3      location = "eastus"
4  }
5
6  resource "azurerm_resource_group" "rgg" {
7      name = "rg2"
8      location = "north india"
9  }
10
11
```



```
providers.tf | terraform {
1  terraform {
2      required_providers {
3          azurerm = {
4              source = "hashicorp/azurerm"
5              version = "4.6.2"
6          }
7      }
8  }
9
10 provider "azurerm" {
11     features {}
12     subscription_id = "82812723-cb7c-49c5-b697-018df19bfc17"
13 }
```

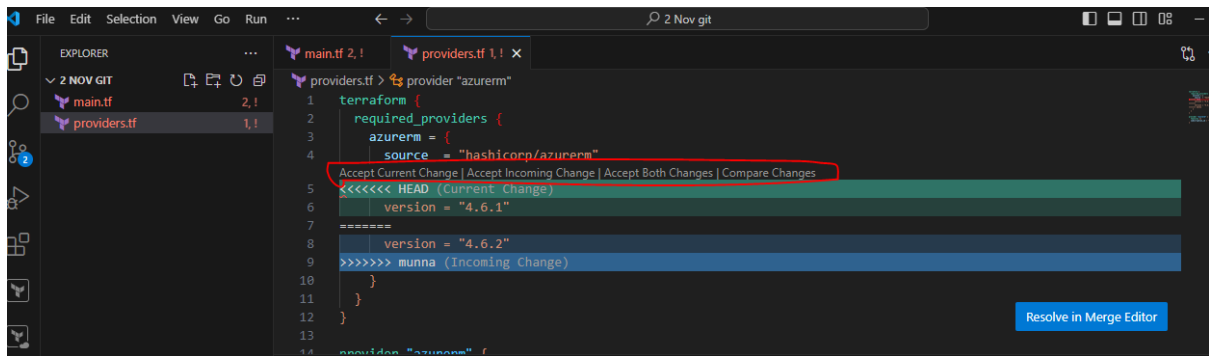
**git add .**

**git commit -m "code updated"**

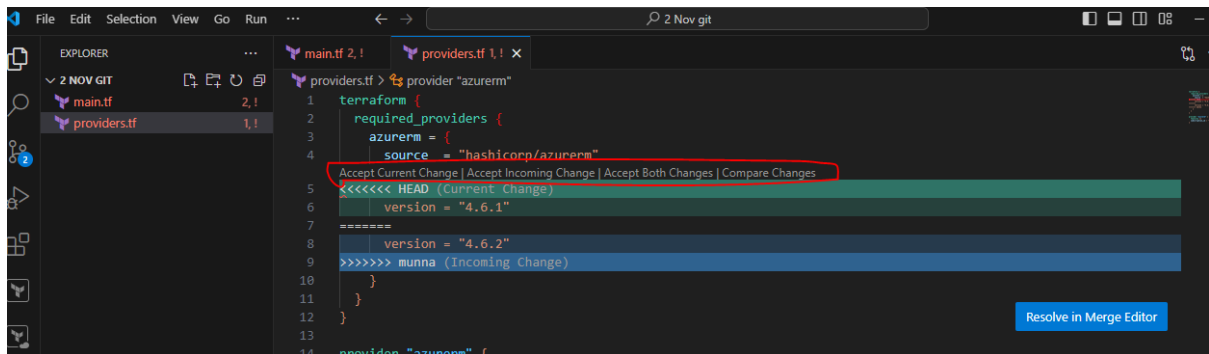
10) Now go to master branch and merge munna, which will show conflicts in the marker

**git checkout master**

**git merge munna**



11) Suppose selected “accept current change” in providers.tf conflict



**git status**

```
PS C:\2 Nov git> git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   main.tf
    both modified:   providers.tf

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\2 Nov git>
```

**git add providers.tf**

**git status**

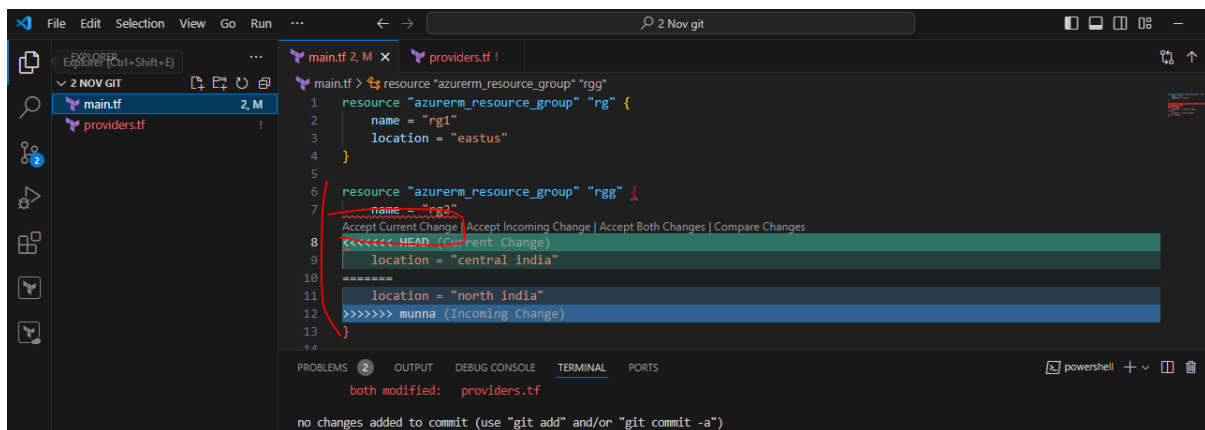
```
PS C:\2 Nov git> git add providers.tf
PS C:\2 Nov git> git status
On branch master
All conflicts fixed but you are still merging.
(use "git commit" to conclude merge)

Changes to be committed:
  modified:   main.tf

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.tf

PS C:\2 Nov git> 
```

12) Similarly Suppose selected “accept current change” in main.tf conflict



**git add main.tf**

**git status**

```
PS C:\2 Nov git> git add main.tf
PS C:\2 Nov git> git status
On branch master
All conflicts fixed but you are still merging.
(use "git commit" to conclude merge)
```

13) Now as per command suggested “use git commit to complete merge”. Execute it

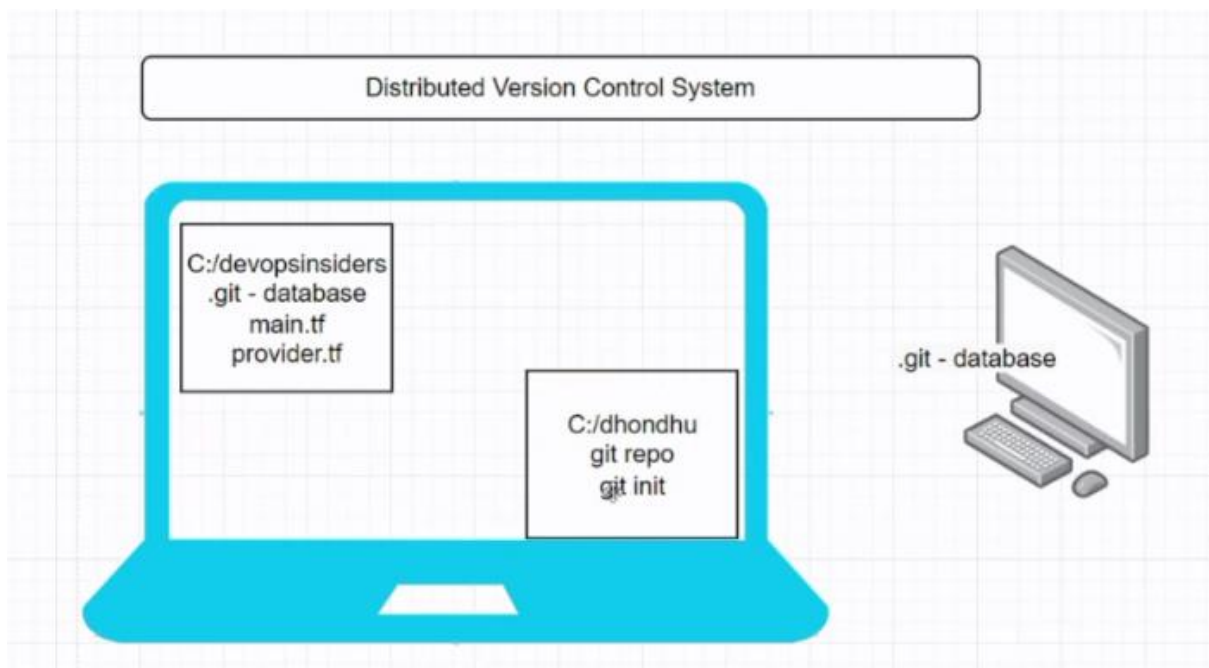
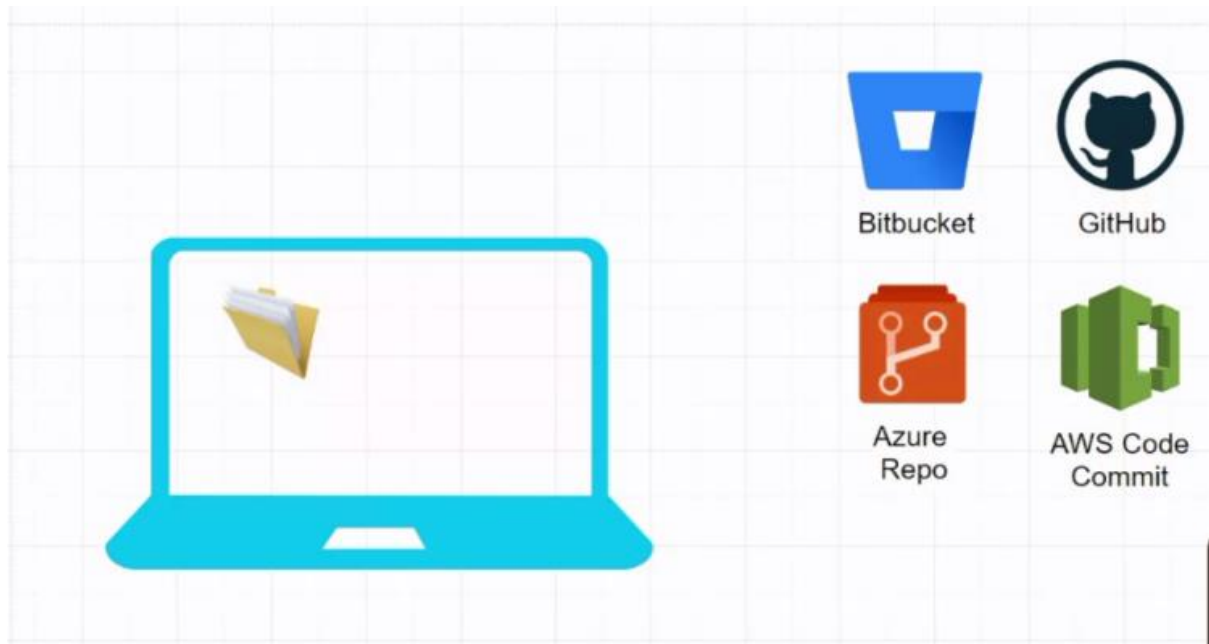
**git commit -m "conflicts fixed"**

**git status**

```
PS C:\2 Nov git> git commit -m "conflicts fixed"
[master 088fa40] conflicts fixed
PS C:\2 Nov git> git status
On branch master
nothing to commit, working tree clean
PS C:\2 Nov git>
```

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## AGENDA -

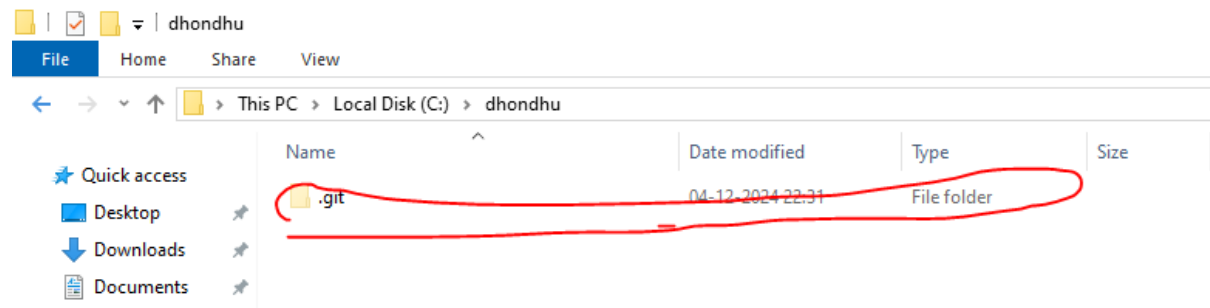


- 1) Create new folder "dhondhu"
- 2) cmd.exe

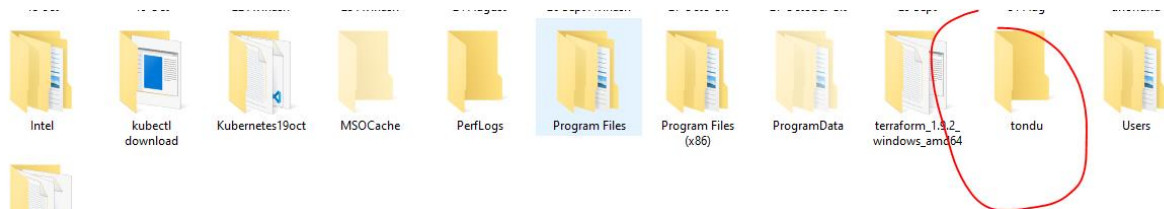
3) **git init** which created git repository in that folder

```
C:\dhondhu>git init
Initialized empty Git repository in C:/dhondhu/.git/

C:\dhondhu>
```



4) Create folder **tondu**



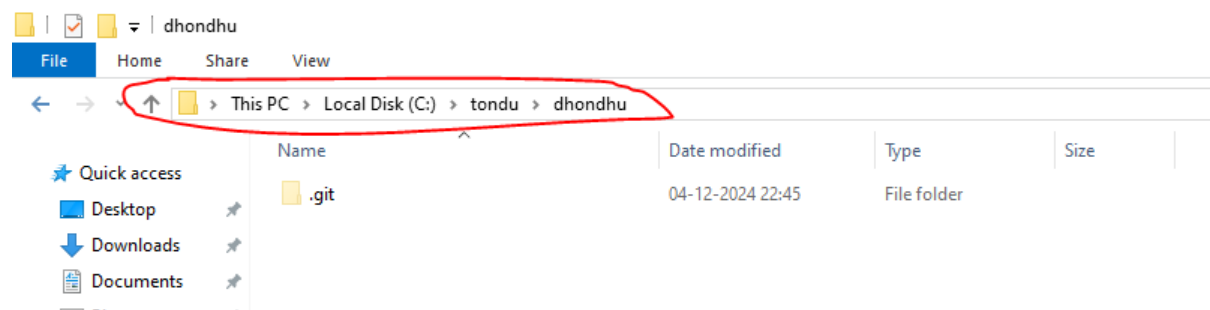
5) Open folder tondu and do cmd.exe and git clone the dhondhu repo into tondu

**git clone C:\dhondhu**

```
C:\tondu>git clone C:\dhondhu
Cloning into 'dhondhu'...
warning: You appear to have cloned an empty repository.
done.

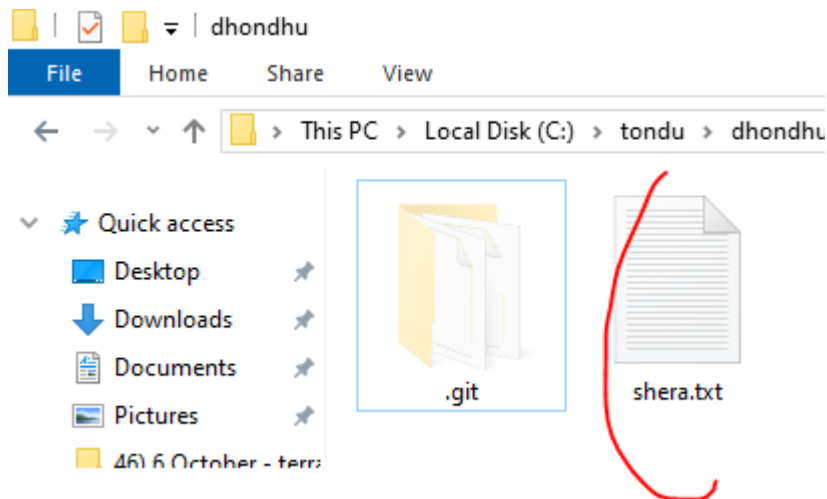
C:\tondu>
```

6) Now we can see dhondhu repo got cloned into tondu



7) Make shera.txt file in dhondhu folder of tondu.





8) **cd dhondhu**

9) **git status**

```
C:\tondu\dhondhu>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  shera.txt

nothing added to commit but untracked files present (use "git add" to track)
C:\tondu\dhondhu>
```

10) **git add .**

**git commit -m "shera.txt"**

```
C:\tondu\dhondhu>git add .
C:\tondu\dhondhu>git commit -m "shera.txt"
[master (root-commit) 0a226a8] shera.txt
1 file changed, 1 insertion(+)
create mode 100644 shera.txt
C:\tondu\dhondhu>
```

11) **git push** – code goes from local to remote repo

```

C:\tondu\dhondhu>git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 230 bytes | 115.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: error: refusing to update checked out branch: refs/heads/master
remote: error: By default, updating the current branch in a non-bare repository
remote: is denied, because it will make the index and work tree inconsistent
remote: with what you pushed, and will require 'git reset --hard' to match
remote: the work tree to HEAD.
remote:
remote: You can set the 'receive.denyCurrentBranch' configuration variable
remote: to 'ignore' or 'warn' in the remote repository to allow pushing into
remote: its current branch; however, this is not recommended unless you
remote: arranged to update its work tree to match what you pushed in some
remote: other way.
remote:
remote: To squelch this message and still keep the default behaviour, set
remote: 'receive.denyCurrentBranch' configuration variable to 'refuse'.
To C:\dhondhu
 ! [remote rejected] master -> master (branch is currently checked out)
error: failed to push some refs to 'C:\dhondhu'

C:\tondu\dhondhu>

```

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**AGENDA** - **git --bare init** – to make a server repo to act like so

13) Make folder **bare** as like remote repo

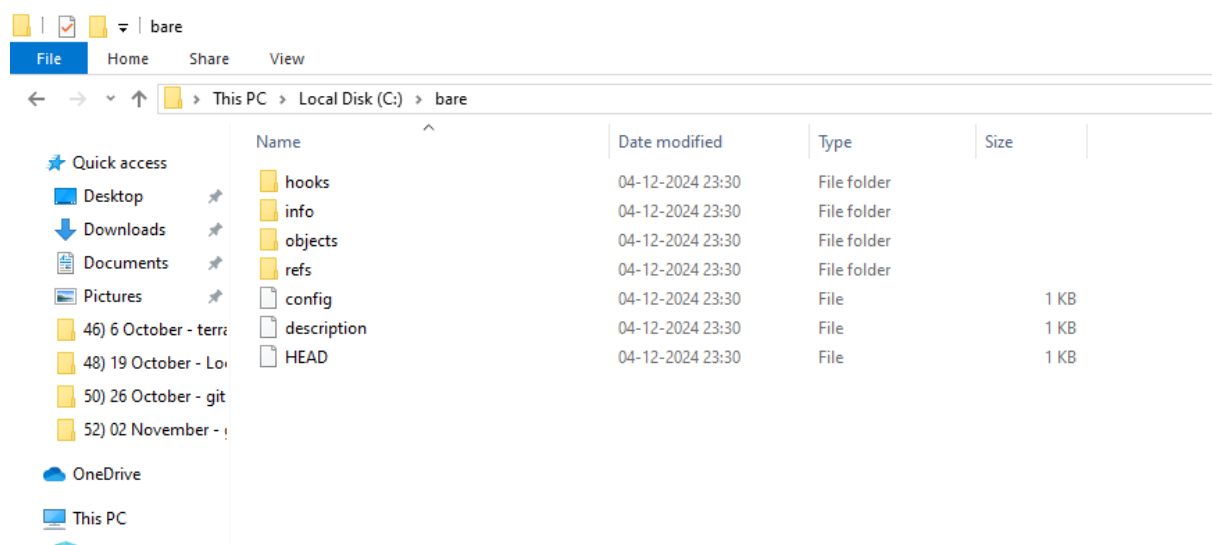
**git --bare init**

```

C:\git bare>git --bare init
Initialized empty Git repository in C:/git bare/

C:\git bare>

```

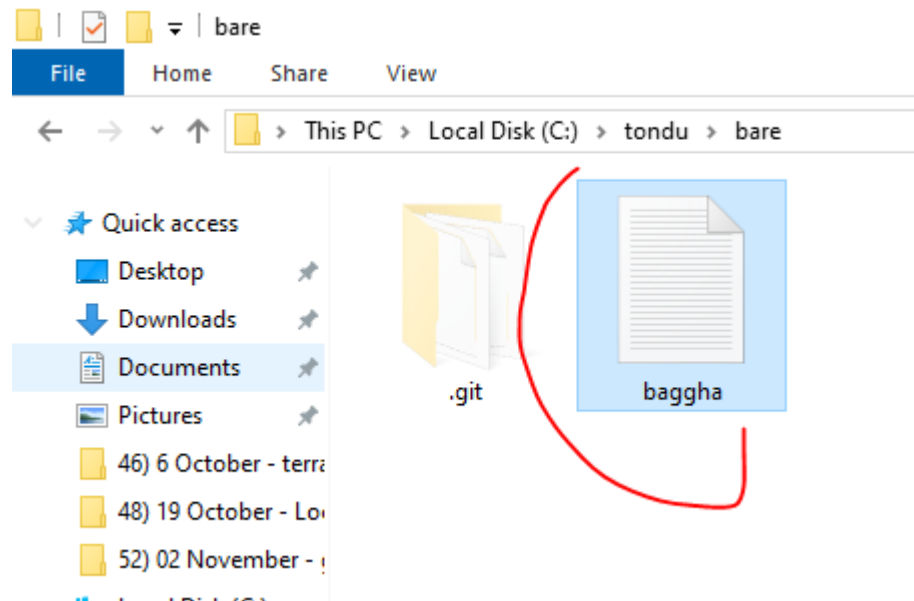


14) Open tondu folder in cmd and do git clone above remote rep in local

```
C:\tondu>git clone C:\bare
Cloning into 'bare'...
warning: You appear to have cloned an empty repository.
done.

C:\tondu>
```

15) Now in this local repo create baggha.txt file



16) **cd bare**

17) **git status**

```
C:\tondu\bare>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        baggha.txt

nothing added to commit but untracked files present (use "git add" to track)
C:\tondu\bare>
```

18) **git add .**

**git commit -m "bagghaa.txt added"**

```
C:\tondu\bare>git add .  
C:\tondu\bare>git commit -m "bagghaa.txt added"  
[master (root-commit) e76353e] bagghaa.txt added  
1 file changed, 1 insertion(+)  
create mode 100644 baggha.txt  
C:\tondu\bare>
```

19) git push

```
C:\tondu\bare>git push  
Enumerating objects: 3, done.  
Counting objects: 100% (3/3), done.  
Writing objects: 100% (3/3), 238 bytes | 79.00 KiB/s, done.  
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
To C:\bare  
* [new branch]      master -> master  
C:\tondu\bare>
```

20) git log

```
C:\tondu\bare>git log  
commit e76353efdd8ae2bd5a73a0ff8f311b5247aebfe7 (HEAD -> master, origin/master)  
Author: Gauravrajsingh <er.gauravraj8052625814@gmail.com>  
Date:   Wed Dec 4 23:39:41 2024 +0530  
  
    bagghaa.txt added  
C:\tondu\bare>
```

+++++