

- Initialize an empty Git repository on your local machine with the name “gitlocal” and make a README.md file in that directory which should contain your name as a heading and a hello message.

```

Ramya $mkdir gitlocal
Ramya $ls -a
.
..
.git
InnovationPython_Ramya
Ramya $ls
InnovationPython_Ramya
Screen Shot 2020-10-31 at 8.56.50 PM.png
Screen Shot 2020-10-31 at 9.06.48 PM.png
Ramya $cd gitlocal/
gitlocal $pwd
/Users/varun/workspace/Ramya/gitlocal
gitlocal $vim README.md
gitlocal $ls
README.md
gitlocal $git init
Initialized empty Git repository in /Users/varun/workspace/Ramya/gitlocal/.git/
gitlocal $git add README.md
gitlocal $git commit -m "first local repository"
[master (root-commit) ab27009] first local repository
1 file changed, 3 insertions(+)
create mode 100644 README.md

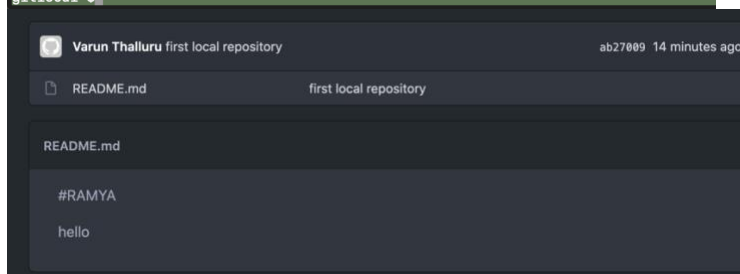
```

- Now check the status of your git directory and push all the files in that directory to your GitHub repo which you have made in the first step. With a message “First Commit to Git Repo”.

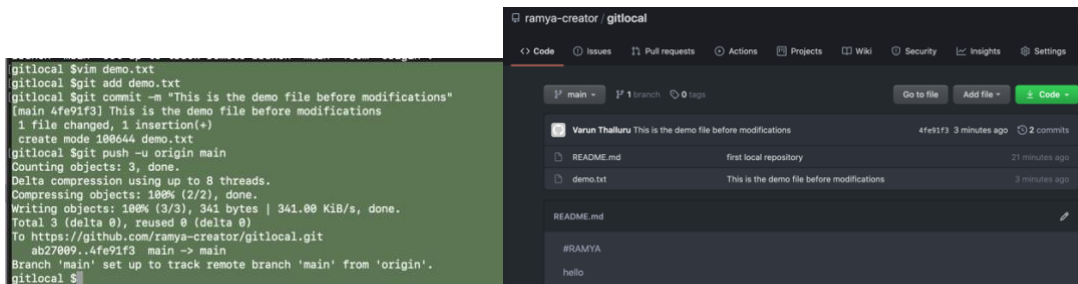
```

gitlocal $git remote add origin https://github.com/ramya-creator/gitlocal.git
fatal: remote origin already exists.
gitlocal $git branch -M main
gitlocal $git push -u origin main
Counting objects: 3, done.
Writing objects: 100% (3/3), 235 bytes | 235.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/ramya-creator/gitlocal.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
gitlocal $

```



- Now add a file to your Github repo named “demo.txt” from the github console with content : “This is the demo file before modifications”.



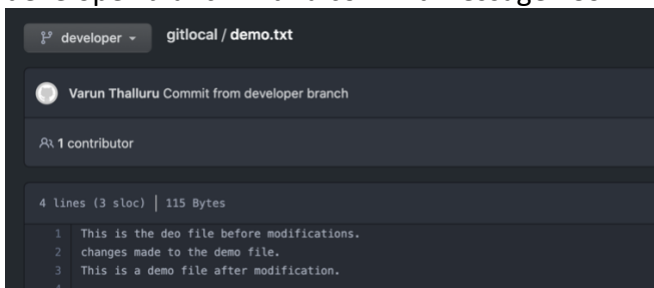
- Pull the changes in your git repo to your local machine git directory named “gitlocal” and check the status for the modifications done in that repo. This time demo should be visible in your local machine.

```
gitlocal $git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/ramya-creator/gitlocal
 4fe91f3..218fbc1  main       -> origin/main
Updating 4fe91f3..218fbc1
Fast-forward
 demo.txt | 1 +
 1 file changed, 1 insertion(+)
```

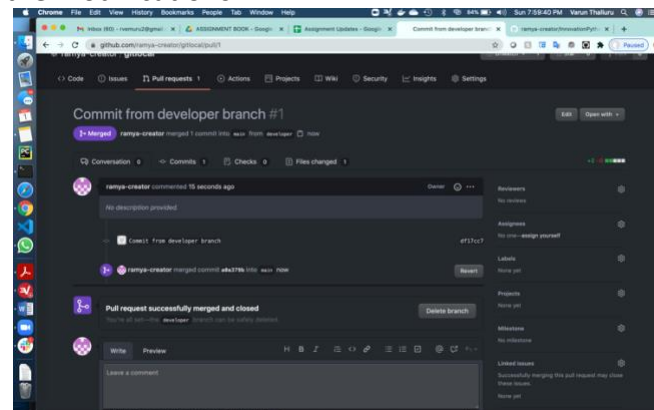
- Now make a new branch in your local machine with the name “developer”.

```
gitlocal $git checkout -b developer
Switched to a new branch 'developer'
gitlocal $
```

- Edit that demo file and write some content in that eg: “This is a demo file after modification” and push the modifications to your GitHub repo from the developer branch with a commit message “Commit from developer branch”.



- Go to the GitHub console and generate a merge request to master branch after checking the modifications.



- After merging you could see the modified content in the demo file. Now revert back to the previous version from terminal.  
After switching back to the previous version your demo file should have the content: This is a demo file before modification.
- At the end delete the developer branch.