1. Create a "repository" (project) with a git hosting tool (like Github)
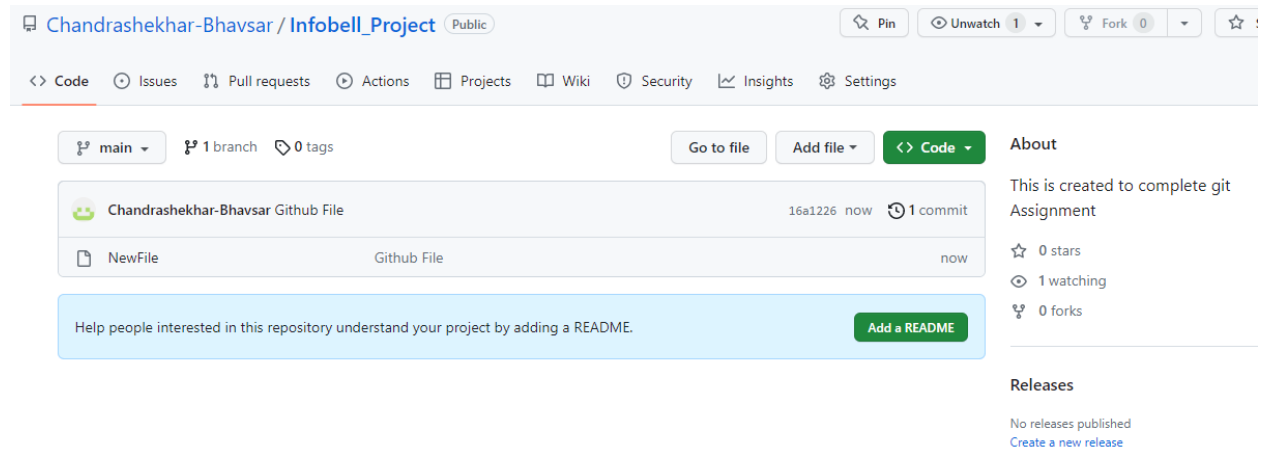
Steps Perform:

a. Created a repository named as Infobell_Project on github

b. Then added a txt file to it named as NewFile

2. Copy (or clone) the repository to your local machine

Steps Perform:

a. Configured username and user email id using git config

b. Then initiated repository using remote repository

c. Cloned remote reporsitory to local using git clone command

3. Add a file to your local repo and "commit" (save) the changes

Steps Perform:
a. Added a file in local repository
b. Then committed this file using git commit command


```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment (master)
$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment (master)
$ cd Infobell_Project

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ ls
NewFile  NewFile2

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        NewFile2

nothing added to commit but untracked files present (use "git add" to track)

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git add .

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   NewFile2
```
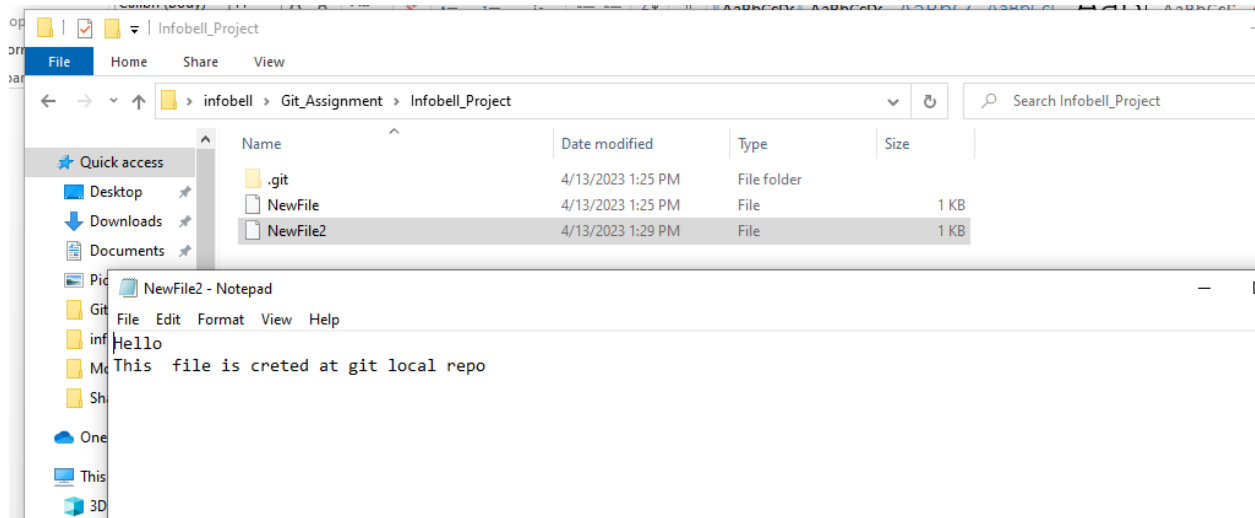
```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git commit
[main fc253c8] This is Edited file to be commit
 1 file changed, 3 insertions(+)
 create mode 100644 NewFile2

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ |
```

4. "Push" your changes to your main branch

Steps Perform:

a. Pushed this file to remote repository using git push command

```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git remote
origin

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 338 bytes | 338.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Chandrashekhar-Bhavsar/Infobell_Project.git
   16a1226..fc253c8  main -> main

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ |
```

🖳 Chandrashekhar-Bhavsar / **Infobell_Project**   Public   ☆ Pin   👁 Unwatch

<> Code   ⊙ Issues   ⥮ Pull requests   ⊙ Actions   ⊞ Projects   ⊞ Wiki   ⊘ Security   〰 Insights   ⚙ Settings

⑂ main ▾ ⑂ 1 branch ⬠ 0 tags		Go to file Add file ▾ <> Code ▾
😊 Chandrashekhar-Bhavsar This is Edited file to be commit		fc253c8 3 minutes ago ⟳ 2 commits
🗋 NewFile	Github File	13 minutes ago
🗋 NewFile2	This is Edited file to be commit	3 minutes ago

Help people interested in this repository understand your project by adding a README.   **Add a README**

5. Make a change to your file with a git hosting tool and commit

Steps Perform:

a. Edited file in github and made changes committed

Infobell_Project / NewFile   in main   Cancel changes

<> Edit file   ⊙ Preview changes   Spaces ⇅   2 ⇅   No wrap ⇅

```
1   Hello
2   This  file is creted at Github
3   making changes in git hub and showing it to git
4   changes=github
5   result=git
6
```

🖥 Chandrashekhar-Bhavsar / Infobell_Project Public   ⚲ Pin   ⊙ Unwatch 1 ▾   ⑂ Fork 0 ▾   ☆ Star 0 ▾

<> Code   ⊙ Issues   ⅓↑ Pull requests   ⊙ Actions   ⊞ Projects   ⊞ Wiki   ⛨ Security   �ⱶ Insights   ⚙ Settings

ᵖ main ▾   Infobell_Project / NewFile   Go to file   ⋯

👤 Chandrashekhar-Bhavsar changes   Latest commit d3fbcef now ⊙ History

👥 1 contributor

5 lines (5 sloc) 111 Bytes   Raw   Blame   ✎ ▾   ⧉ 🗑

```
1   Hello
2   This  file is creted at Github
3   making changes in git hub and showing it to git
4   changes=github
5   result=git
```

Give feedback

6. "Pull" the changes to your local machine
Steps Perform:
a. now to see edited file is pulled from remote repository to local using git pull command
b. To see changes I used cat command which is displaying inside file content

```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git pull origin main
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), 738 bytes | 25.00 KiB/s, done.
From https://github.com/Chandrashekhar-Bhavsar/Infobell_Project
 * branch            main       -> FETCH_HEAD
   fc253c8..d3fbcef  main       -> origin/main
Updating fc253c8..d3fbcef
Fast-forward
 NewFile | 3 +++
 1 file changed, 3 insertions(+)

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ ls
NewFile   NewFile2

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ cat NewFile
Hello
This  file is creted at Github
making changes in git hub and showing it to git
changes=github
result=git
```

7. Create a "branch" (version), make a change, commit the change

Steps Perform:

a. Created a new branch named as New Branch

b. To see changes I used cat command which is displaying inside file content

```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git branch NewBranch

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git branch -a
  NewBranch
* main
  remotes/origin/HEAD -> origin/main
  remotes/origin/main

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (main)
$ git checkout NewBranch
Switched to branch 'NewBranch'

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (NewBranch)
$ vi BranchFile.txt

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (NewBranch)
$ ls
BranchFile.txt  NewFile  NewFile2

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (NewBranch)
$ git status
On branch NewBranch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        BranchFile.txt

nothing added to commit but untracked files present (use "git add" to track)
```

```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (NewBranch)
$ git add .
warning: in the working copy of 'BranchFile.txt', LF will be replaced by CRLF the next time Git touches it

admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (NewBranch)
$ git commit -m "new file added inside branch"
[NewBranch b837693] new file added inside branch
 1 file changed, 1 insertion(+)
 create mode 100644 BranchFile.txt
```

8. Open a "pull request" (propose changes to the main branch)

Steps Perform:

a. To create pull request branch is pushed to remote repository

b. To push branch I have used command git push

```
admin@DESKTOP-CTHQ27A MINGW64 ~/Desktop/infobell/Git_Assignment/Infobell_Project (NewBranch)
$ git push origin NewBranch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 343 bytes | 343.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'NewBranch' on GitHub by visiting:
remote:      https://github.com/Chandrashekhar-Bhavsar/Infobell_Project/pull/new/NewBranch
remote:
To https://github.com/Chandrashekhar-Bhavsar/Infobell_Project.git
 * [new branch]      NewBranch -> NewBranch
```

Chandrashekhar-Bhavsar / **Infobell_Project** Public

⭐ Pin   👁 Unwatch

<> Code   ⊙ Issues   ⁑ Pull requests   ⊙ Actions   ⊞ Projects   📖 Wiki   🛡 Security   ∿ Insights   ⚙ Settings

⑂ **NewBranch** had recent pushes less than a minute ago   **Compare & pull request**

⑂ main ▾   ⑂ 2 branches   ⬙ 0 tags   Go to file   Add file ▾   <> Code ▾

Your main branch isn't protected   **Protect this branch**   ✕
Protect this branch from force pushing or deletion, or require status checks before merging. Learn more

Chandrashekhar-Bhavsar changes   d3fbcef 7 minutes ago   ⟳ 3 commits

📄 NewFile   changes   7 minutes ago
📄 NewFile2   This is Edited file to be commit   11 minutes ago

9. Resolve review comments

Open a pull request
Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.

⇅   base: main ▾   ←   compare: NewBranch ▾   ✓ **Able to merge.** These branches can be automatically merged.

new file added inside branch

| Write | Preview | H B I ≔ <> 🔗 ⁝≡ ⁝≡ ⁑≡ @ ⛶ ↩ ⊡

Done

Attach files by dragging & dropping, selecting or pasting them.   ᴹ⬇

Create pull request   ▾

10. "Merge" your branch to the main branch & Resolve conflicts.

new file added inside branch #1

Conversation 0 | Commits 1 | Checks 0 | Files changed 1

Chandrashekhar-Bhavsar commented now   Owner ···

Done

☺

○─ new file added inside branch   b837693

⑂ Chandrashekhar-Bhavsar merged commit `36a291b` into `main` now   Revert

⑂ **Pull request successfully merged and closed**   Delete branch
   You're all set—the `NewBranch` branch can be safely deleted.