Step 1: Create a feature branch.

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git branch feature-list
```

Step 2: Switch to the new branch.

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git switch feature-list
Switched to branch 'feature-list'
```

Step 3: open the file and make some changes to it.
Step 4: Add and commit the changes to the new branch.
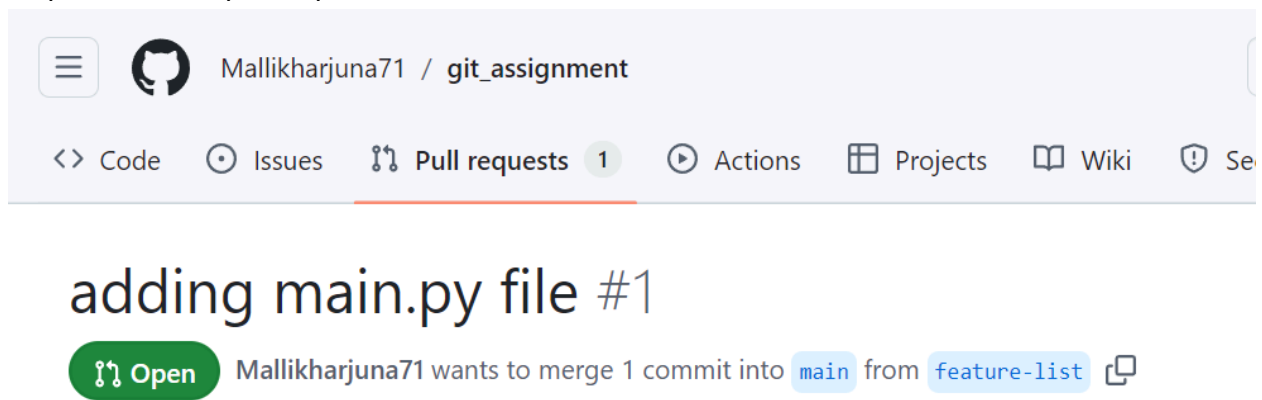
```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git status
On branch feature-list
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   main.py

PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git add .
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git commit -m 'adding main.py file'
[feature-list e706ffd] adding main.py file
 1 file changed, 5 insertions(+)
```

Step 5: Push the changes to the new feature branch.

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git push origin feature-list
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 391 bytes | 97.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature-list' on GitHub by visiting:
remote:      https://github.com/Mallikharjuna71/git_assignment/pull/new/feature-list
remote:
To https://github.com/Mallikharjuna71/git_assignment.git
 * [new branch]      feature-list -> feature-list
```

Step 6: Create a pull request.

Step 8: As another user in the master branch make some changes to the same file and add and commit the changes to the master branch.

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git status
On branch main
Your branch is up to date with 'origin/main'.

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:   udfs.py

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git add .
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git commit -m 'adding fib() function'
[main 4a8419b] adding fib() function
 1 file changed, 7 insertions(+), 1 deletion(-)
```

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git push origin main
To https://github.com/Mallikharjuna71/git_assignment.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/Mallikharjuna71/git_assignment.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```
PS C:\Users\arjun\Desktop\Git_Practice\git_assignment> git rebase main
Successfully rebased and updated refs/heads/feature-list.
```