

Lesson 02 Demo 02

Create a Pull Request in Git

Objective: To create a pull request in Git

Tools required: Git

Steps to be followed:

1. Create a Fork
2. Clone your Fork
3. Sync the fork with the original repository
4. Make changes in the file and create a commit message
5. Push your Changes
6. Create a Pull Request

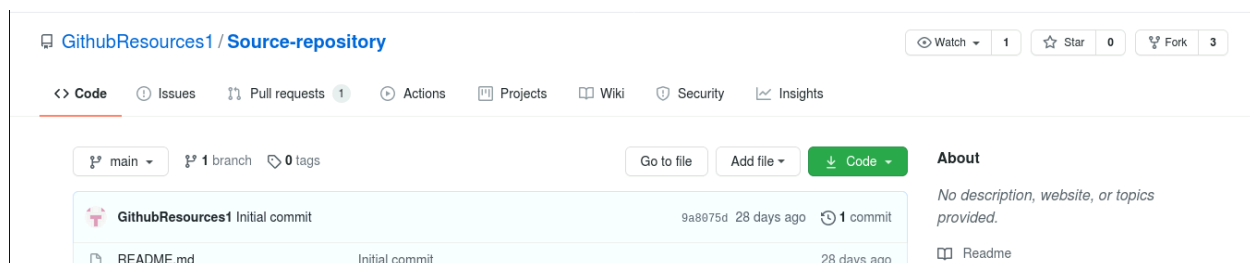
Step 1: Create a Fork

1.1 Login to your Github account.

1.2 From your browser navigate to the following repository

<https://github.com/GithubResources1/Source-repository.git>

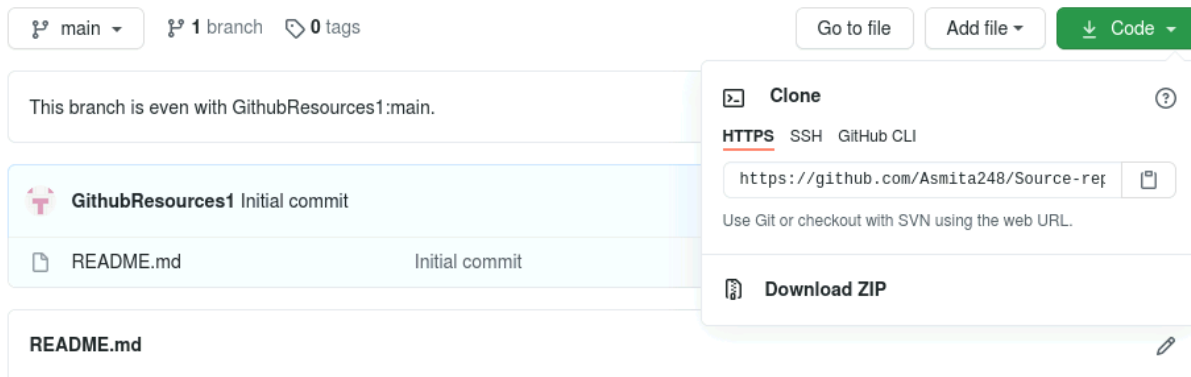
1.3 In the top-right corner of the page, click the **Fork** button



Step 2: Clone your Fork

2.1 On GitHub, click on the **code** button on your repository

2.2 Copy the URL from under Clone with HTTPS option



2.3 Type the following command on your terminal:

git clone [the copied HTTPS URL]

Note: Replace [the copied HTTPS URL] in the above command with the URL you copied from the Github page. The final command should look like the following:

git clone https://github.com/Asmita248/Source-repository.git

```
@ip-172-31-71-23:~$ git clone https://github.com/GithubWorkstation/Source-repository.git
Cloning into 'Source-repository'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
@ip-172-31-71-23:~$
```

2.4 The **clone** command creates a local git repository from your remote fork on GitHub.

Step 3: Sync the fork with the original repository

3.1 Navigate to the directory where the fork has been cloned using the following command in the terminal:

cd Source-repository

3.2 Use the following command to see the configured remote repository for your fork:

```
root@kali:~# ssh root@ip-172-31-71-23 ~$ cd Source-repository
root@kali:~# ssh root@ip-172-31-71-23 ~/Source-repository$ git remote -v
origin  https://github.com/GithubWorkstation/Source-repository.git (fetch)
origin  https://github.com/GithubWorkstation/Source-repository.git (push)
root@kali:~# ssh root@ip-172-31-71-23 ~/Source-repository$ █
```

git remote -v

3.3 Use **git remote add upstream** command, and paste the URL you copied in Step 2 as shown below:

git remote add upstream [the copied HTTPS URL]

3.4 Use the following command to verify the new upstream repository you have specified for your fork:

git remote -v

```
root@kali:~# ssh root@ip-172-31-71-23 ~/Source-repository$ git remote add upstream https://github.com/GithubWorkstation/Source-repository.git
root@kali:~# ssh root@ip-172-31-71-23 ~/Source-repository$ git remote -v
origin  https://github.com/GithubWorkstation/Source-repository.git (fetch)
origin  https://github.com/GithubWorkstation/Source-repository.git (push)
upstream https://github.com/GithubWorkstation/Source-repository.git (fetch)
upstream https://github.com/GithubWorkstation/Source-repository.git (push)
root@kali:~# ssh root@ip-172-31-71-23 ~/Source-repository$ █
```

Step 4: Make some changes in the file and create a commit message

4.1. Once the changes are made enter **git commit -m "commit message"** in the terminal

```
labuser@ubuntu2204:~/[REDACTED]$ git commit -m "First commit"
[main flccf73] First commit
Committer: Ubuntu <labuser@ubuntu2204.a3ggnbjtmgyuvhodvsz2b32brd.rx.internal.cl
oudapp.net>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 13 insertions(+)
create mode 100644 Phase1/Index.html
```

Step 5: Push your Changes

5.1. Use the **git push** command to upload your changes to your remote fork on GitHub:

git push




```
labuser@ip-172-31-71-23:~/Source-repository$ git push
Username for 'https://github.com': GithubWorkstation
Password for 'https://GithubWorkstation@github.com':
Everything up-to-date
labuser@ip-172-31-71-23:~/Source-repository$
```

Step 6: Create a Pull Request


6.1 On the GitHub page of your remote fork, click the **pull request** button


6.2 Wait for the owner to merge or comment on your changes

6.3 If the owner suggests some changes before merging, you can simply push these changes into your fork by repeating steps 3 and 4, and the pull request is updated automatically.

 main
  1 branch
  0 tags

[Go to file](#)
[Add file](#)
[Code](#)


GithubResources1 Initial commit
 9a8075d 28 days ago
🕒 1 commit

 README.md
 Initial commit
 28 days ago