

## Lesson 02 Demo 07

### Check the Status of a File

**Objective:** To check the status of a new file

**Tools required:** Git

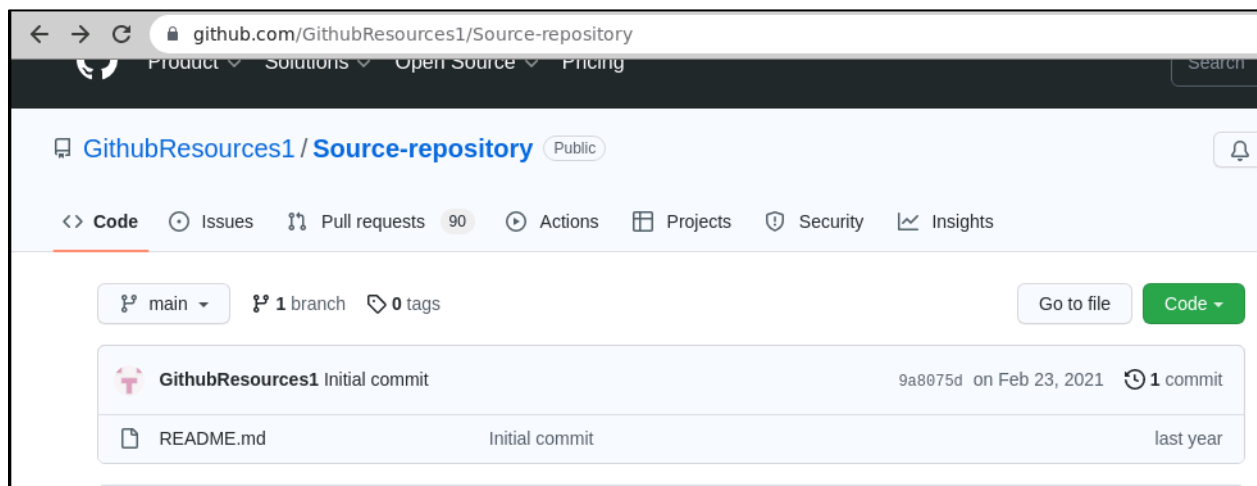
Steps to be followed:

1. Create a GitHub repository
2. Create a directory to check the status of the file

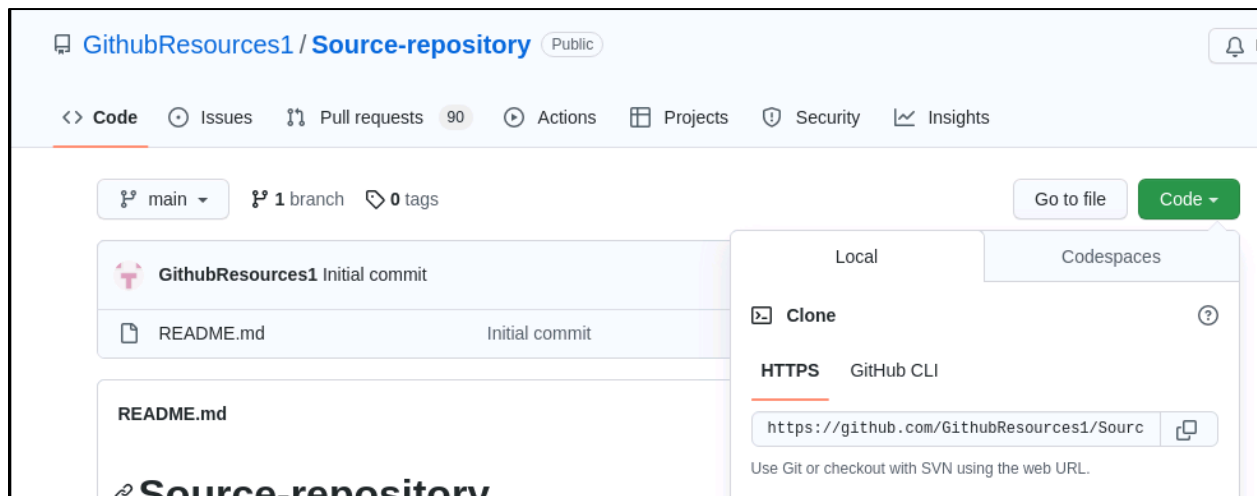
#### Step 1: Create a GitHub repository

1.3 Go to **github.com**, create a new repository or use the repository given below:

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



1.2 Click on the code button and copy the provided URL:



1.3 Go to the terminal and enter the below command:

***git clone https://github.com/GithubResources1/Source-repository.git***

```
labuser@ubuntu2204:~/newfile$ git clone https://github.com/GithubResources1/Source-repository.git
Cloning into 'Source-repository'...
remote: Enumerating objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 3
Receiving objects: 100% (3/3), done.
```

## Step 2: Create a directory to check the status of the file

2.1 In the terminal, execute the following commands to create a directory and file:

***mkdir createnewproject***

***cd createnewproject***

```
labuser@ubuntu2204:~$ mkdir createnewproject
labuser@ubuntu2204:~$ cd createnewproject
```

2.2 Now, enter the init command:

***git init***

```

labuser@ubuntu2204:~/newfile1$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/labuser/newfile1/.git/

```

2.3 Enter the command to commit the changes:

***git add index.html***

***git commit -m "Initialized"***

```

labuser@ubuntu2204:~/newfile1/Phase2$ git add index.html
labuser@ubuntu2204:~/newfile1/Phase2$ git commit -m "Initialized"
[master (root-commit) 7ee2f67] Initialized
  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, 12 insertions(+)
create mode 100644 index.html

```

2.4 Create a file using the touch command and check the status:

***touch demo1***

***git status***

```

labuser@ubuntu2204:~/createnewproject$ touch demo1
labuser@ubuntu2204:~/createnewproject$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    demo1

```

2.5 To track the file, run the add command, and check the status again:

*git add demo1*

*git status*

```
labuser@ubuntu2204:~/createnewproject$ git add demo1
labuser@ubuntu2204:~/createnewproject$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   demo1
```

2.6 Enter the below command to commit the changes:

*git commit*

```
labuser@ubuntu2204:~/createnewproject$ git commit
[master f22cb4e] x X
Committer: Ubuntu <labuser@ubuntu2204.watw5feaxj2ejaultuxcjizfde.rx.internal.cloudapp.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, 0 insertions(+), 0 deletions(-)
create mode 100644 demo1
```

**Note:** Click on ctrl+X to go back to the directory after committing changes.

2.7 Enter the below command to check the final status of the file:

*git status*

```
labuser@ubuntu2204:~/createnewproject$ git status
On branch master
nothing to commit, working tree clean
```

**Note:** The file is now clean after being committed.