

Lesson 03 Demo 03

Pushing Code to GitHub

Objective: To showcase the process of pushing local code changes to a GitHub repository, ensuring version control and collaboration.

Tools Required: Git

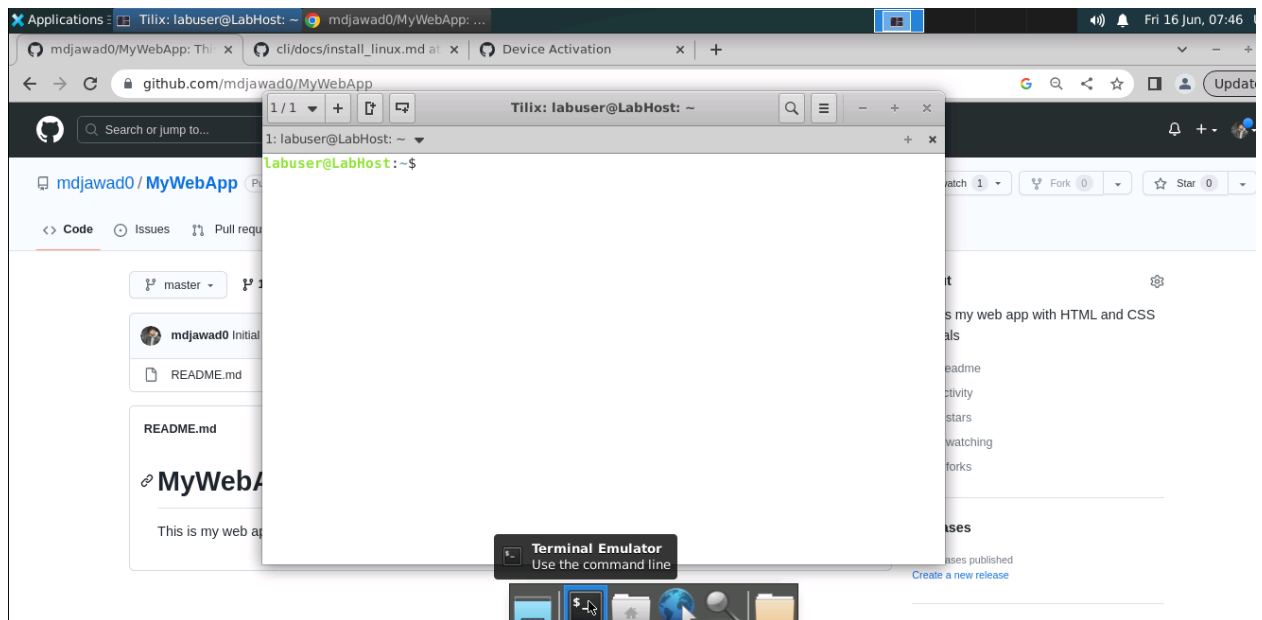
Prerequisites: Lesson 03 Demo 01

Steps to be followed:

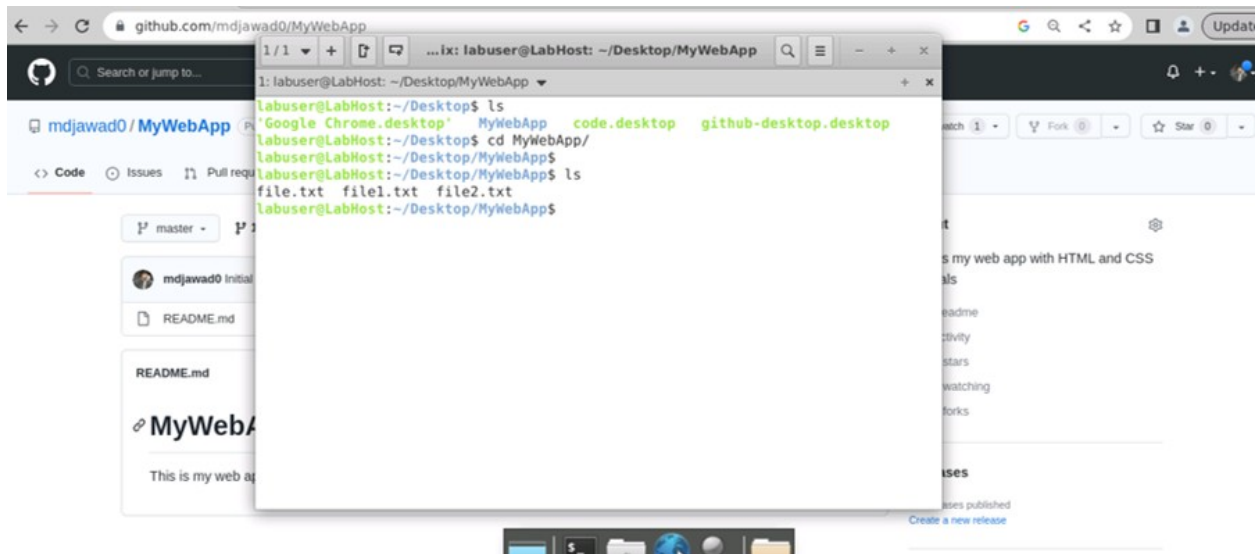
1. Push the code to GitHub

Step 1: Push the code to GitHub

1.1 Open the terminal



1.2 Navigate to the **MyWebApp** directory



Use the **ls** command to view the files.

1.3 Type **git status** to check the status of your local repository. To commit the changes, use **git -m commit "message"**

```
palakkharbandas@ip-172-31-17-240:~/Desktop/MyWebApp$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   ./code.desktop
    new file:   ./eclipse.desktop
    new file:   ./file.txt
    new file:   ./file1.txt
    new file:   ./file2.txt
```

```

1: labuser@LabHost: ~/Desktop/MyWebApp
new file:   file2.txt
labuser@LabHost:~/Desktop/MyWebApp$ git commit -m "MyWebApp Tutorial Code"
[master (root-commit) 93ae23c] MyWebApp Tutorial Code
Committer: Ubuntu <labuser@LabHost.kntx3s101aluljyspcirvg3zxf.rx.internal.cloud
app.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:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

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

    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file.txt
create mode 100644 file1.txt
create mode 100644 file2.txt

```

1.4 Add the remote origin for your GitHub repository by executing the command:
git remote add origin [repository URL]

```

...or create a new repository on the command line

echo "# MyWebApp" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M master
git remote add origin https://github.com/mdjawad0/MyWebApp.git
git push -u origin master

...or push an existing repository from the command line

git remote add origin https://github.com/mdjawad0/MyWebApp.git
git branch -M master
git push -u origin master

```

Obtain the repository URL from GitHub, which is provided when you create a new repository.

```

1: labuser@LabHost: ~/Desktop/MyWebApp
new file:   file2.txt
labuser@LabHost:~/Desktop/MyWebApp$ git commit -m "MyWebApp Tutorial Code"
[master (root-commit) 93ae23c] MyWebApp Tutorial Code
Committer: Ubuntu <labuser@LabHost.kntx3s101aluljsycpirvg3zxf.rx.internal.cloud
app.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:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

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

    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file.txt
create mode 100644 file1.txt
create mode 100644 file2.txt
labuser@LabHost:~/Desktop/MyWebApp$ git remote add origin https://github.com/md
awad0/MyWebApp.git
labuser@LabHost:~/Desktop/MyWebApp$

```

1.5 Then, use the command **git push -u origin master** to push the changes to the master branch

```

1: labuser@LabHost: ~/Desktop/MyWebApp
git config --global user.name "Your Name"
git config --global user.email you@example.com
After doing this, you may fix the identity used for this commit with:

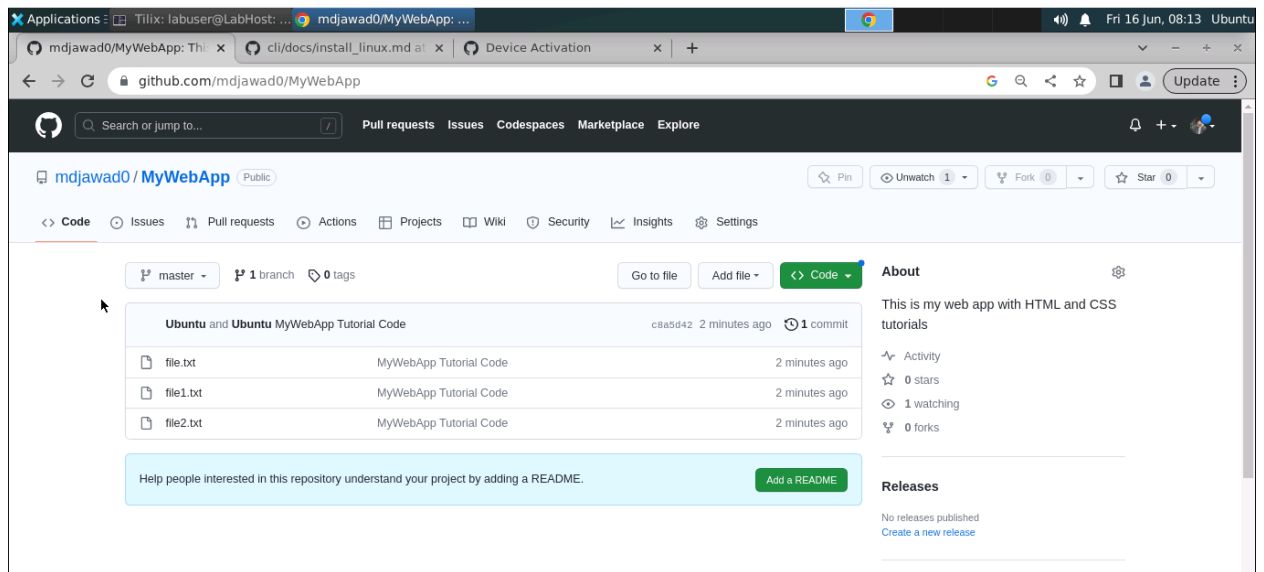
    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file.txt
create mode 100644 file1.txt
create mode 100644 file2.txt
labuser@LabHost:~/Desktop/MyWebApp$ git remote add origin https://github.com/mdj
awad0/MyWebApp.git
labuser@LabHost:~/Desktop/MyWebApp$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 268 bytes | 268.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/mdjawad0/MyWebApp.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
labuser@LabHost:~/Desktop/MyWebApp$

```

Once the command is executed, your code will be synced with the remote repository on GitHub.

1.6 Finally, refresh the GitHub repository to check if the files are updated



By following these steps, you have successfully pushed your code to GitHub, including navigating your project directory, checking the repository status, committing changes, adding a remote origin, and finally pushing the changes to the master branch.