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Lesson 02 Demo 01

Creating and Cloning a GitHub Repository

Objective: To create and clone a GitHub repository for understanding the fundamentals of repository management and version control using Git and GitHub
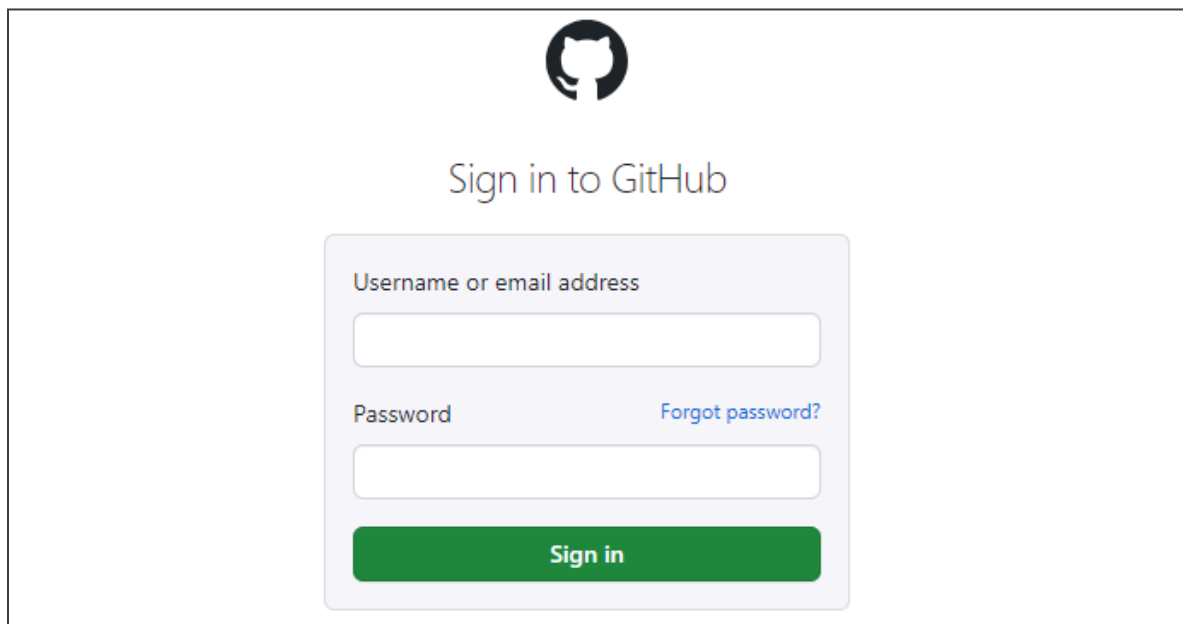
Tools required: Git and GitHub

Prerequisites: You need to have Git installed and a GitHub account to proceed with this demo.

Steps to be followed:
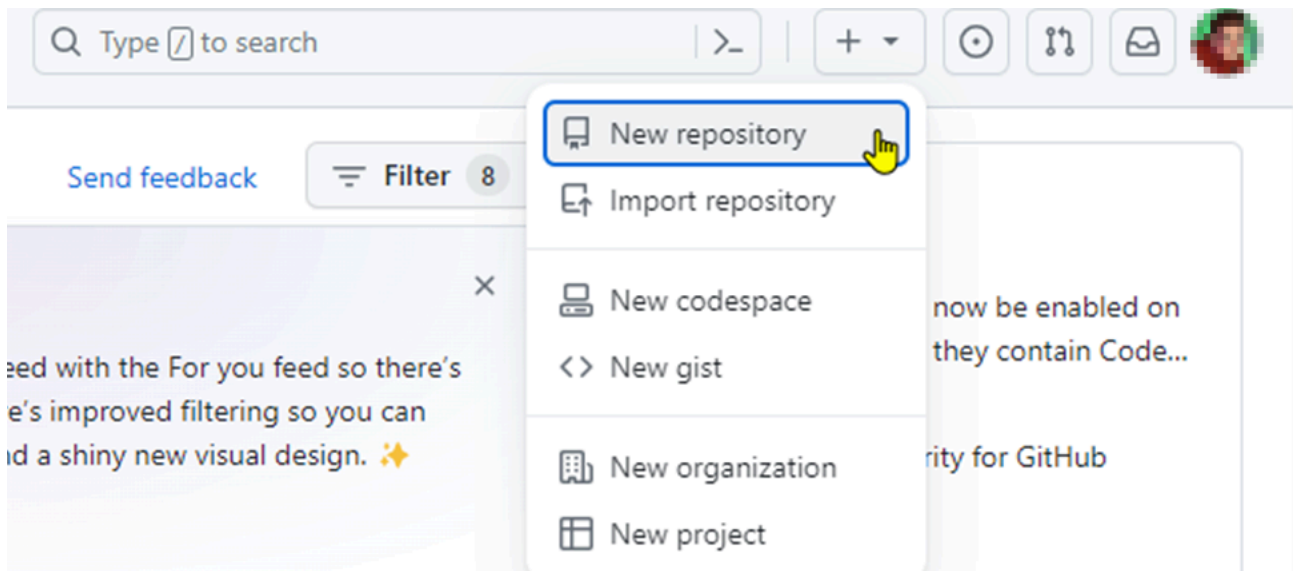1. Create a new GitHub repository
2. Clone the GitHub repository

Step 1: Create a new GitHub repository

1.1 Open the browser in your lab, go to **github.com**, and log in to your account

Note: If you do not have a GitHub account, visit the official website at https://github.com/signup and create a new account

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1.2 Click on the **+** icon from the upper-right corner of the page and select **New repository** from the drop-down menu

1.3 Enter the **Repository name** and **Description** as shown below:

Note: The repository name and description may differ from those shown in the screenshot.

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1.4 Choose **Public** for the repository type

1.5 Select **Add a README file** option to include a README file for the repository

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1.6 Click on the **Create repository** button

Initialize this repository with:

☑ Add a README file

This is where you can write a long description for your project. Learn more about READMEs.

Add .gitignore

.gitignore template: None ▾

Choose which files not to track from a list of templates. Learn more about ignoring files.

Choose a license

License: None ▾

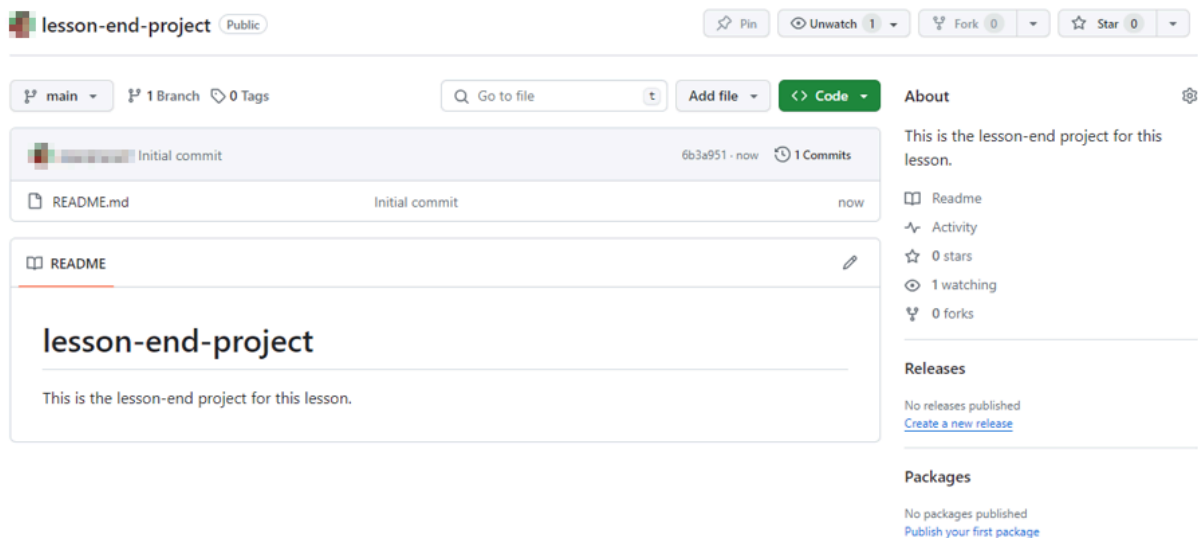A license tells others what they can and can't do with your code. Learn more about licenses.

This will set ⑂ main as the default branch. Change the default name in your settings.

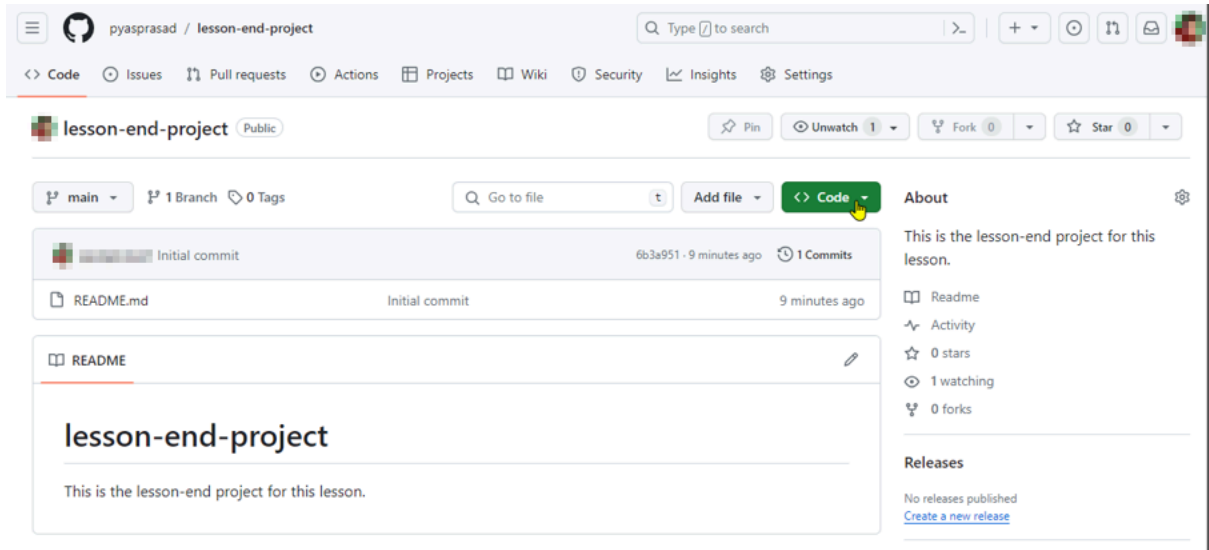ⓘ You are creating a public repository in your personal account.

Create repository

🔲 **lesson-end-project** Public

⑂ main ▾   ⑂ 1 Branch ⓢ 0 Tags   🔍 Go to file   t   Add file ▾   <> Code ▾

🔳 Initial commit   6b3a951 · now   🕐 1 Commits

📄 README.md   Initial commit   now

📖 README   ✏️

lesson-end-project

This is the lesson-end project for this lesson.

About

This is the lesson-end project for this lesson.

📖 Readme
〽 Activity
☆ 0 stars
👁 1 watching
⑂ 0 forks

Releases

No releases published
Create a new release

Packages
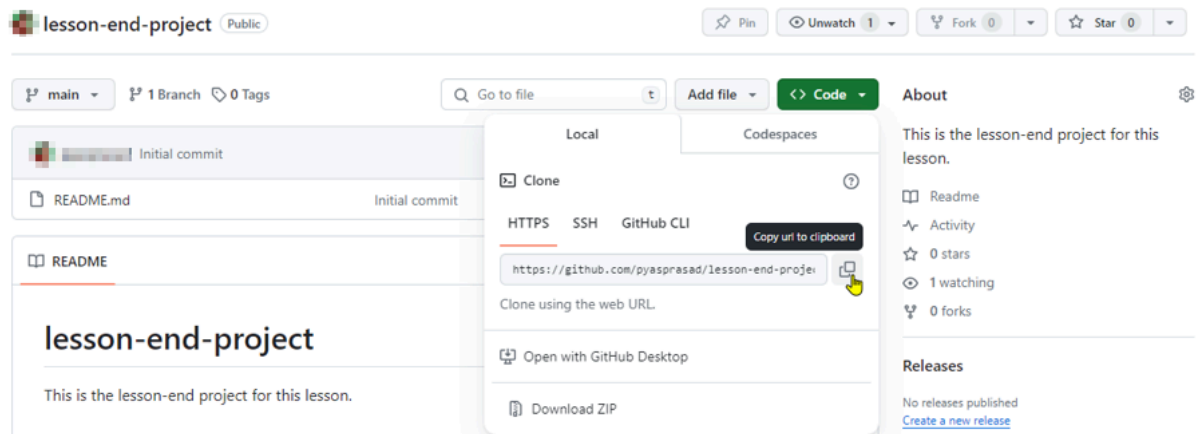
No packages published
Publish your first package

The remote GitHub repository is created.

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Step 2: Clone the GitHub repository

2.1 Open the created repository and click on the **Code** button

2.2 Click on the copy icon to copy the **HTTPS URL** as shown below:

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2.3 Open the terminal tab on your lab and use the following command to clone the
repository:
git clone <URL>

```
priyanshurajsim@ip-172-31-28-201:~/Pyas$ git clone https://github.com/pyasprasad/lesson-end-project.git
Cloning into 'lesson-end-project'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
priyanshurajsim@ip-172-31-28-201:~/Pyas$
```

Note: Replace the URL in the command with the copied **HTTPS URL** from the GitHub
repository

By following these steps, you have successfully created and cloned a GitHub repository
for understanding the fundamentals of repository management and version control
using Git and GitHub.