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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

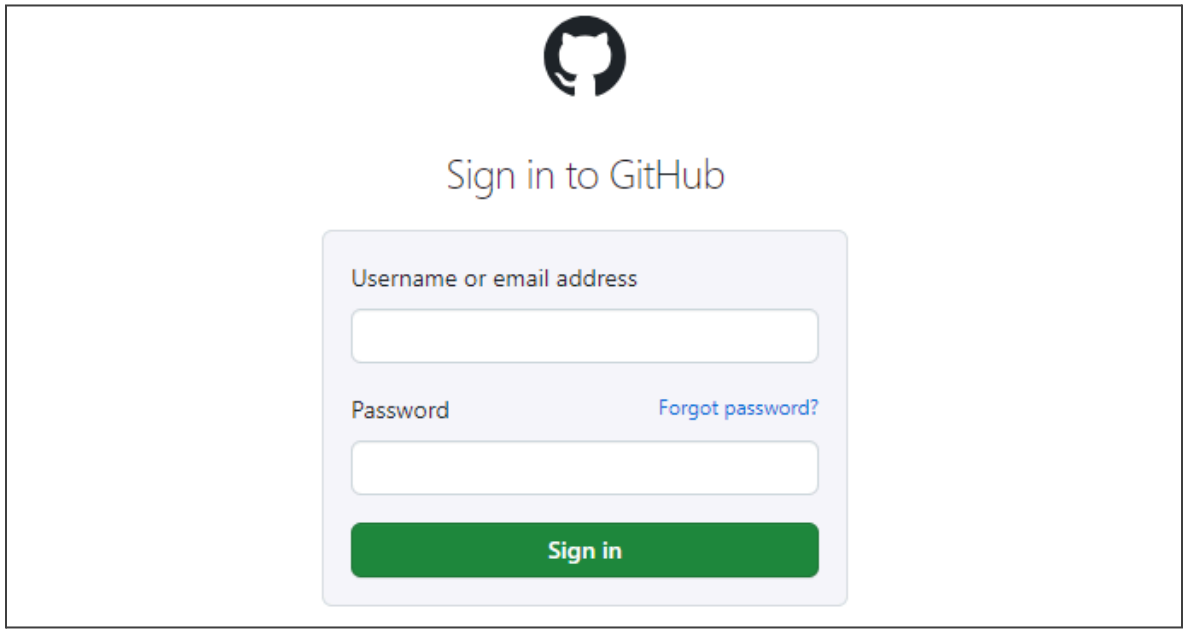
Prerequisites: You need to have Git installed and a GitHub account to proceed with this demo.

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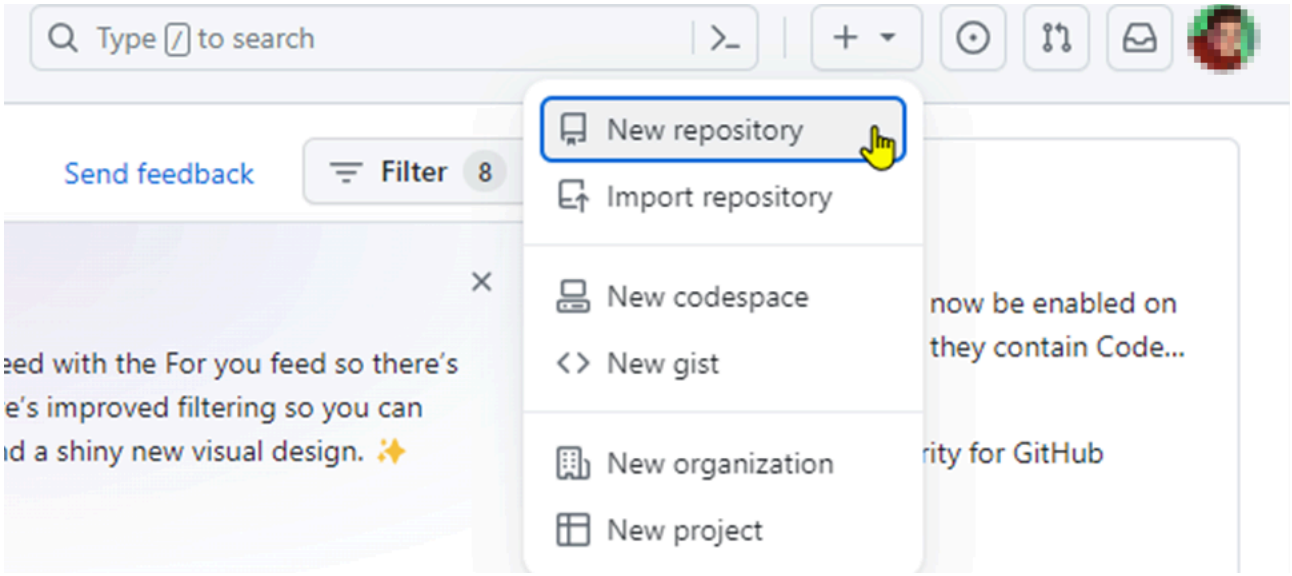
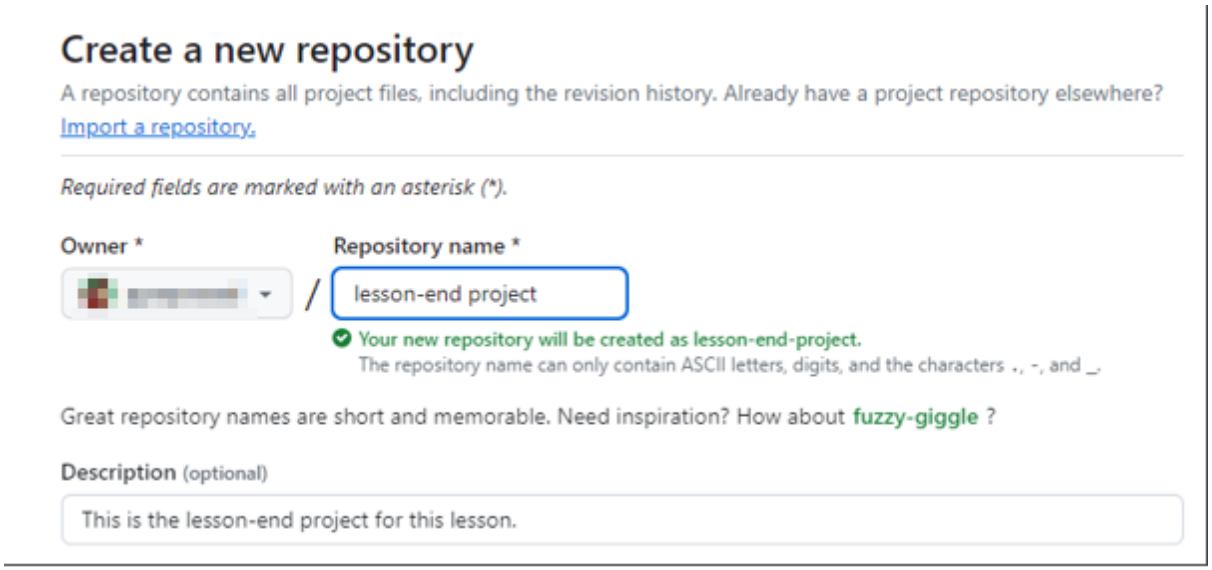
1.2 Click on the **+** icon from the upper-right corner of the page and select **New repository** from the drop-down menu



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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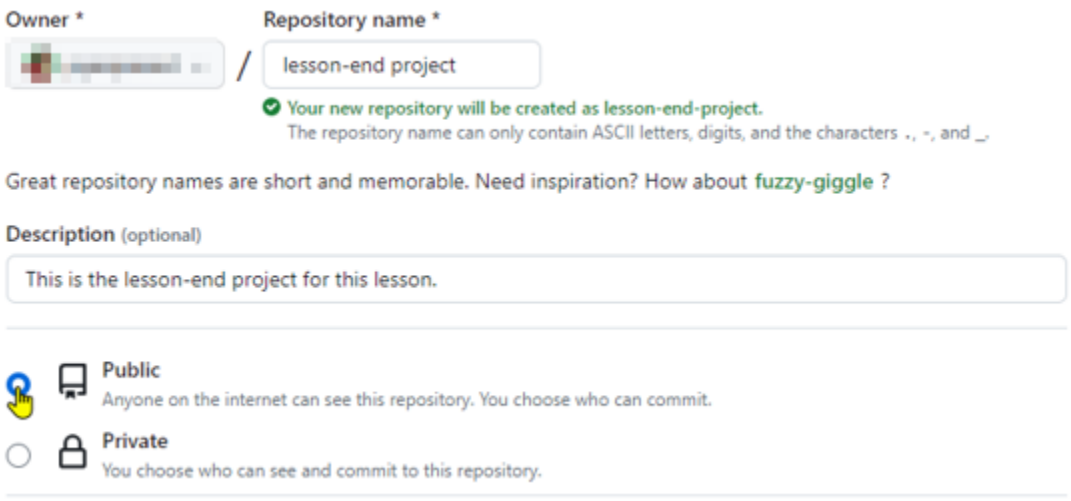
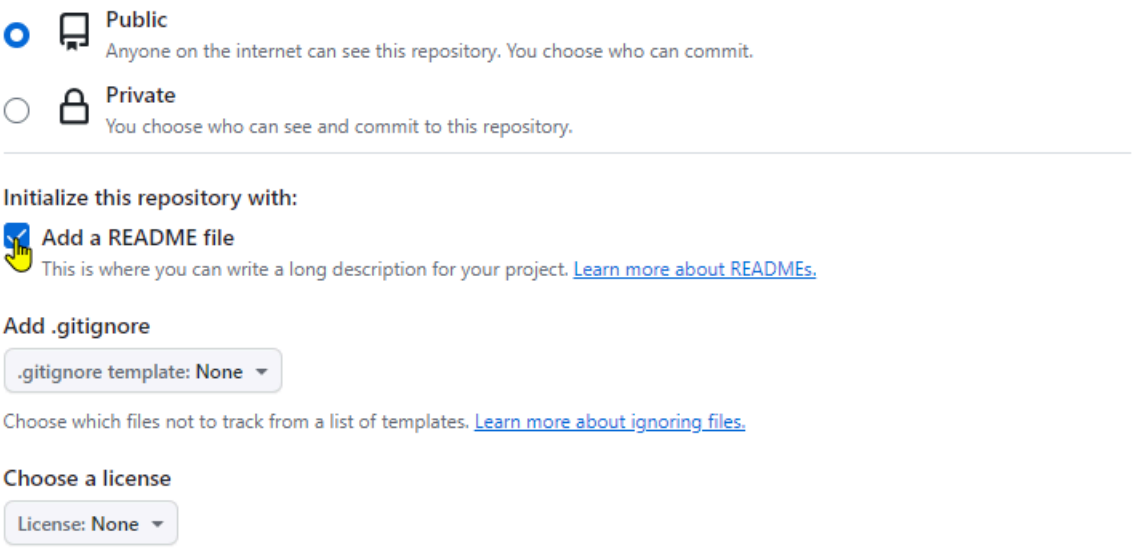
1.4 Choose **Public** for the repository type



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



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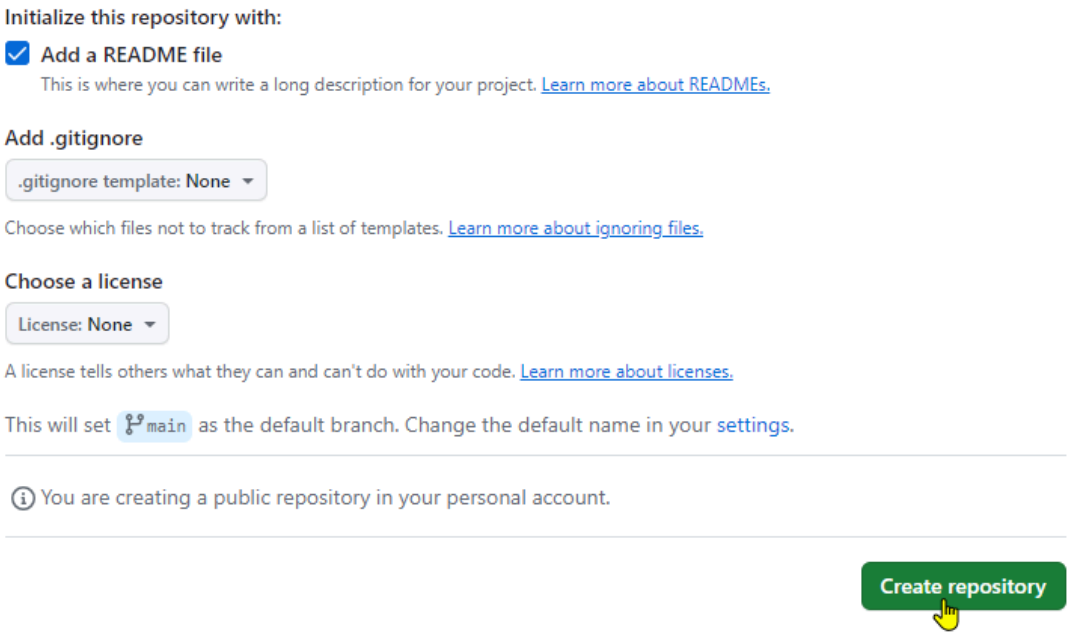
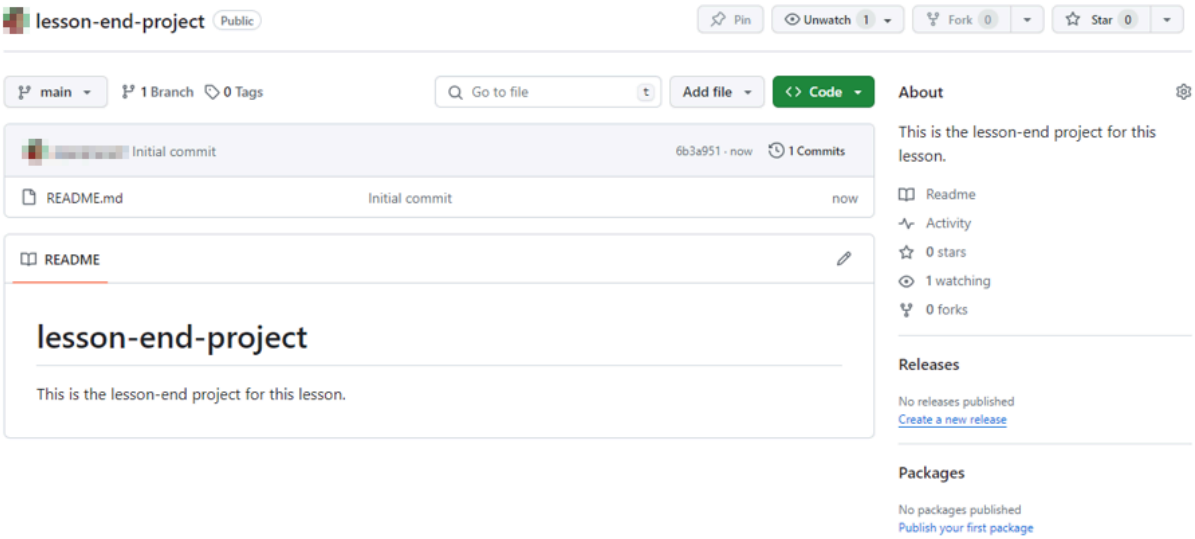
1.6 Click on the **Create repository** button





The remote GitHub repository is created.

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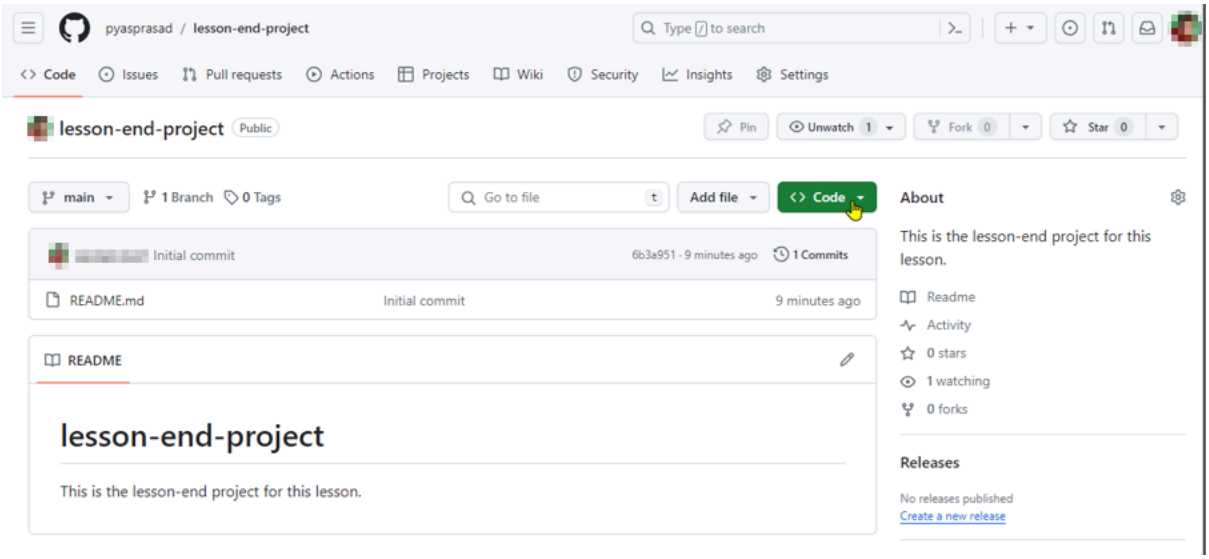
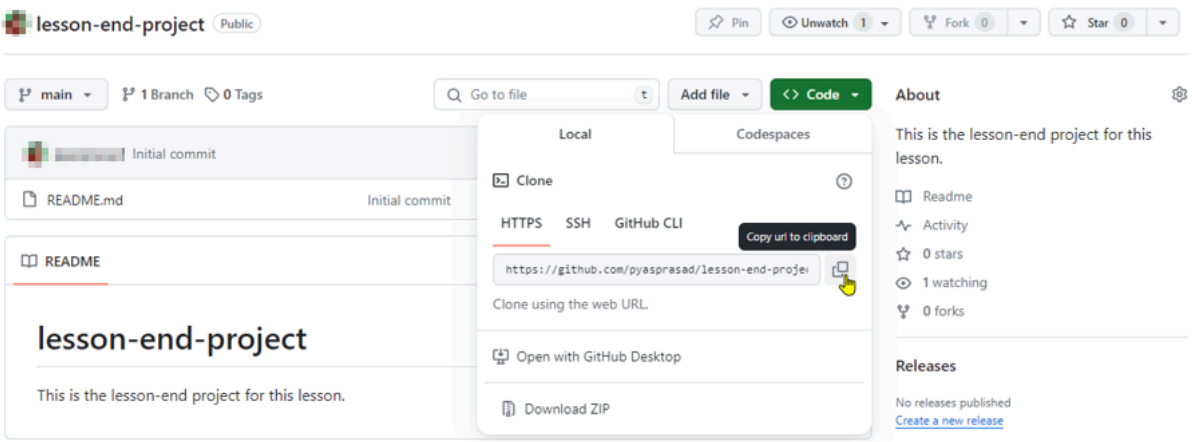
Step 2: Clone the GitHub repository

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>

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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.