Lesson 04 Demo 03

Adding a File to GitHub Repository

Objective: To push a file to a GitHub repository for backup, collaboration, and development workflow integration

Tools required: Git and GitHub

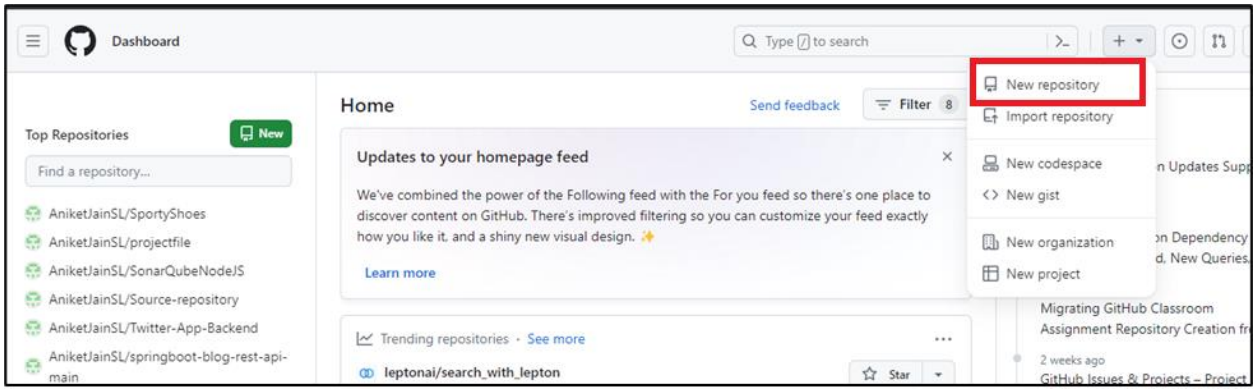
Prerequisites: None

Steps to be followed:

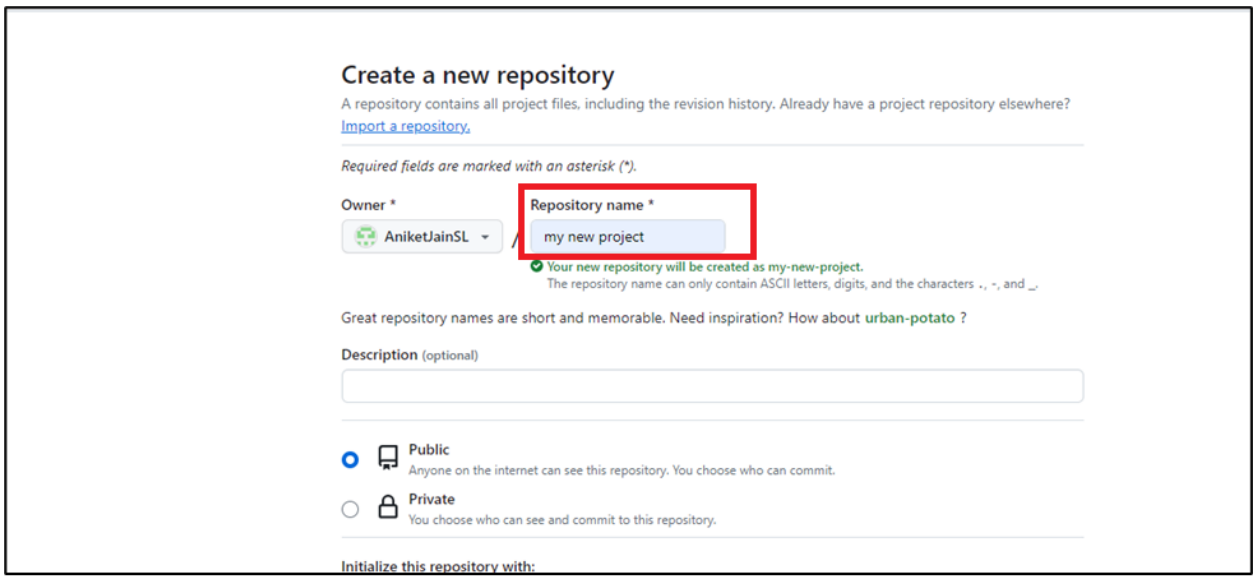
1. Create a GitHub repository
2. Create a repository on the local machine
3. Push the changes from the local repository to GitHub
4. Check the status of the local and remote repository

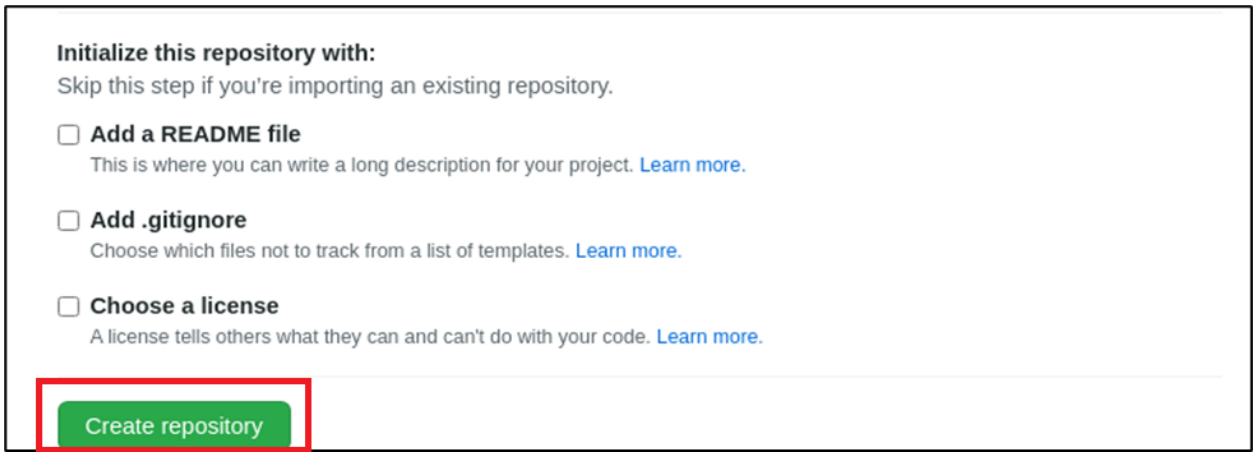
Step 1: Create a GitHub repository

1.1 Navigate to **github.com**, log in to your account, and click on the **+** button to create a new repository



1.2 Enter an arbitrary repository name and click on **Create Repository** button





Step 2: Create a repository on the local machine

2.1 In the terminal, execute the following commands to create and initialize a Git repository:

mkdir createnewproject

cd createnewproject

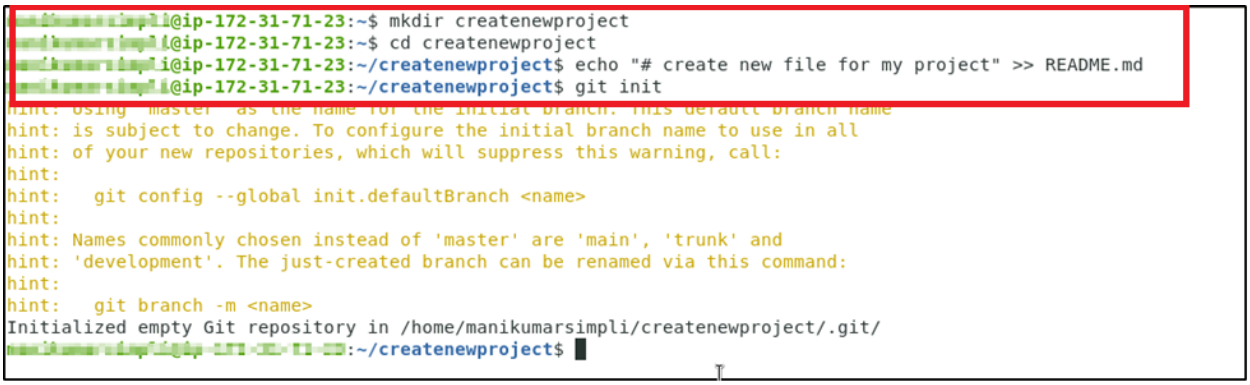
echo "# create new file for my project" >> README.md

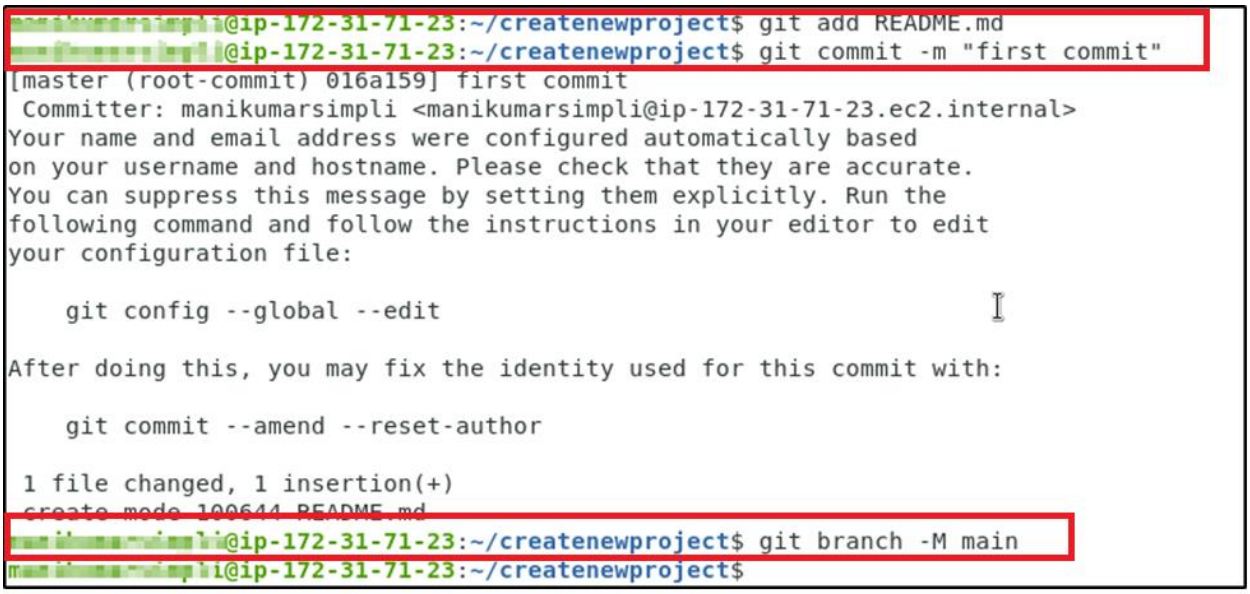
git init

git add README.md

git commit -m "first commit"

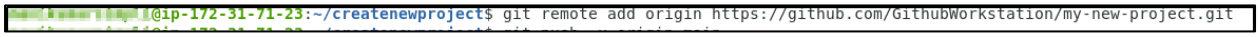
git branch -M main



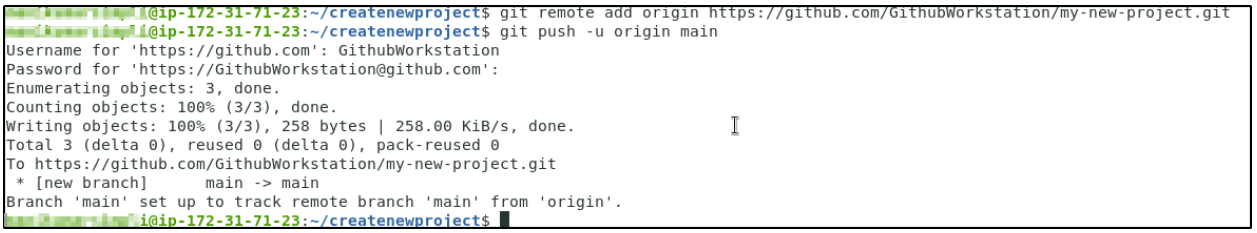


Step 3: Push the changes from the local repository to GitHub

3.1 Open the terminal on the local machine and use the following command to add a remote repository:
git remote add origin <Your HTTPS_URL>

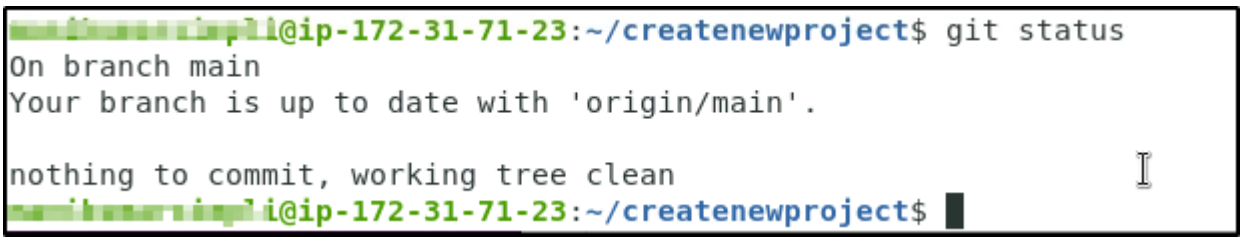


3.2 Use the following command to push the changes to the remote repository:
git push -u origin main

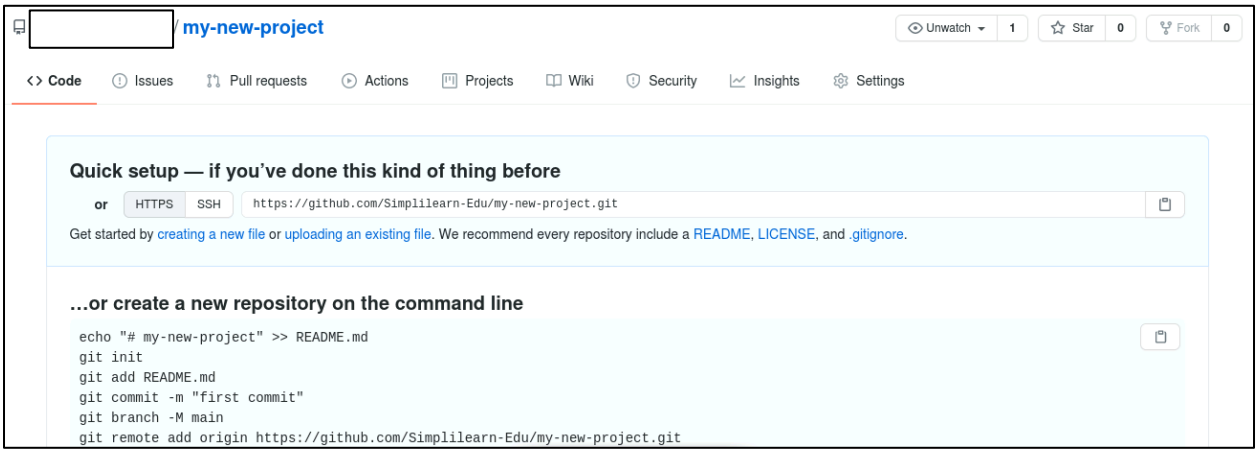


Step 4: Check the status of the local and remote repository

4.1 Execute the following command to check the status of the local repository
git status



4.2 Navigate to **github.com** and check the status of the remote repository



You can see that the changes have been pushed to the local repository **my new project**.

By following these steps, you have successfully pushed a file to GitHub for backup, collaboration, and to enable various development workflows.