

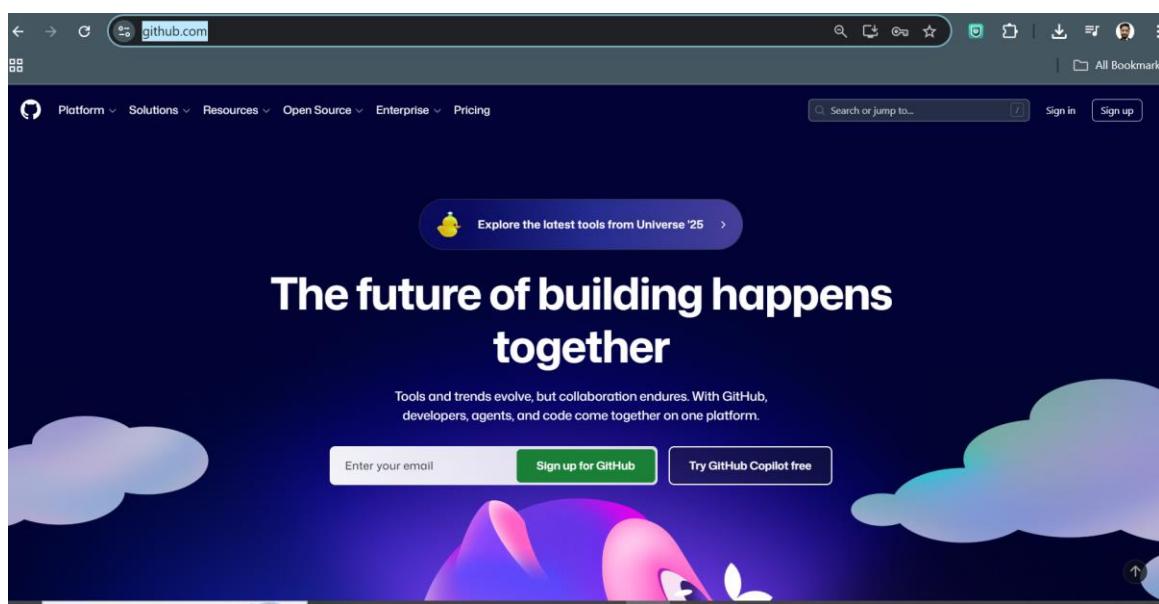
LAB # 19

Getting Familiar with Git & GitHub

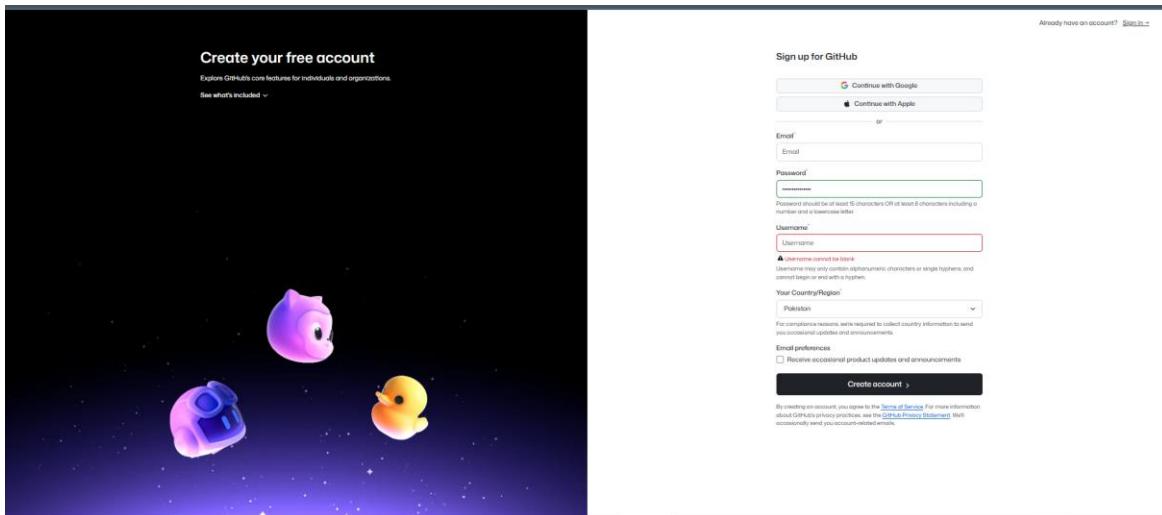
Objective: Importance and deep dive related to Git and GitHub

Sig up GitHub

Step 1: Open GitHub

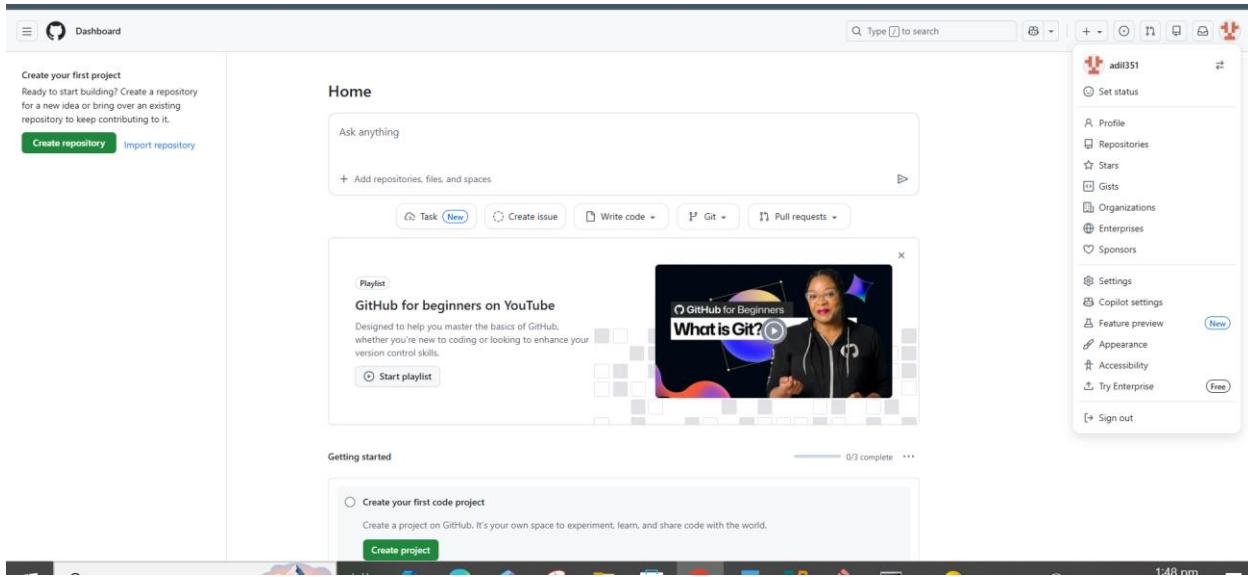


Step 2: To create an account on GitHub, you will be asked for some personal information like name, confirm your email, set a username and password, and your account should be set up in minutes.



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Step 3: Set your Profile.



Step 4: Create a Repository and keep it Public.

Create a new repository

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#).

Required fields are marked with an asterisk (*).

1 General

Owner * Repository name *

adil351 / FirstProject FirstProject is available.

Great repository names are short and memorable. How about [super-duper-octo-barnacle](#)?

Description

0 / 350 characters

2 Configuration

Choose visibility * Public

Add README Off

Add .gitignore No.gitignore

Add license No license

Create repository

Step 5: Link Local Repository to GitHub

1. Open Git Bash in your local project folder (FirstProject).
2. Add GitHub as a remote repository:

Command:

- **git remote add origin https://github.com/YourUsername/MyFirstProject.git**
- **git branch -M main**
- **git push -u origin main**

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```
Dell@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git remote add origin https://github.com/adil351/FirstProject.git

Dell@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git branch -M main

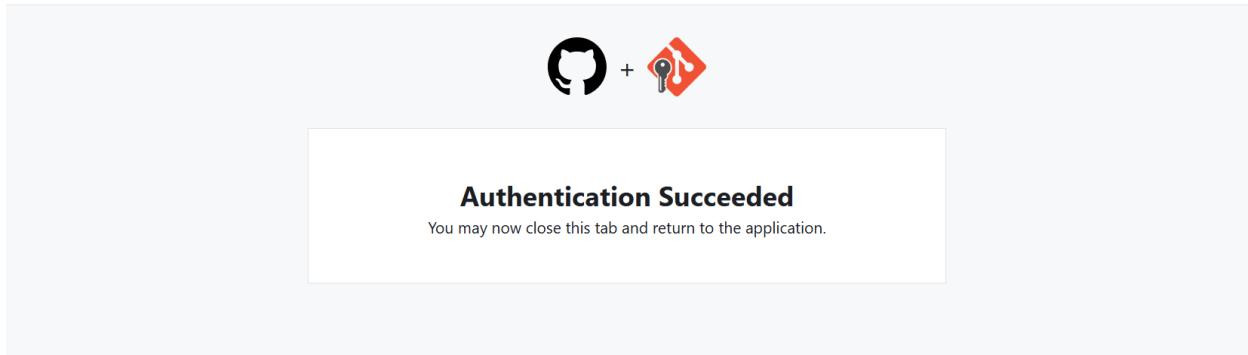
Dell@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git push -u origin main
```

Step 6: This command uploads your local files to GitHub and Git may ask for your GitHub username and password or a personal access token.

The terminal window shows the command \$ git push -u origin main being run. The GitHub 'Sign in' dialog is displayed, showing options for 'Browser/Device' and 'Token', with 'Browser/Device' selected. A blue button labeled 'Sign in with your browser' is prominent. Below it is a grey button labeled 'Sign in with a code'. At the bottom, there is a link 'Don't have an account? Sign up'.

The GitHub OAuth authorization dialog for the 'Git Credential Manager by Git Ecosystem' is shown. It lists three scopes: 'Gists' (Read and write access), 'Repositories' (Public and private), and 'Workflow' (Update GitHub Action Workflow files). At the bottom, there are 'Cancel' and 'Authorize git-ecosystem' buttons. A note says 'Authorizing will redirect to http://127.0.0.1:52587'. Below the dialog, there is footer information: 'Owned & operated by GitHub', 'Created 6 years ago', 'More than 1K GitHub users', and a link 'Learn more about OAuth'.

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You send your Git files to GitHub successfully!

Task # 01

Sign up on GitHub, set up your profile, and **upload Lab 18 & Lab 19 files** to a repository. Make sure the repository is **private** so it is only accessible to the instructor.

Instructions:

1. Sign up or log in to [GitHub](#) and complete your profile.
2. Create a **new repository** (e.g., Lab18-19). Choose **Private**.
3. Click **Add files** → **Upload files** and select Lab 18 & Lab 19 files from your computer.
4. Commit the upload.