

LAB # 19

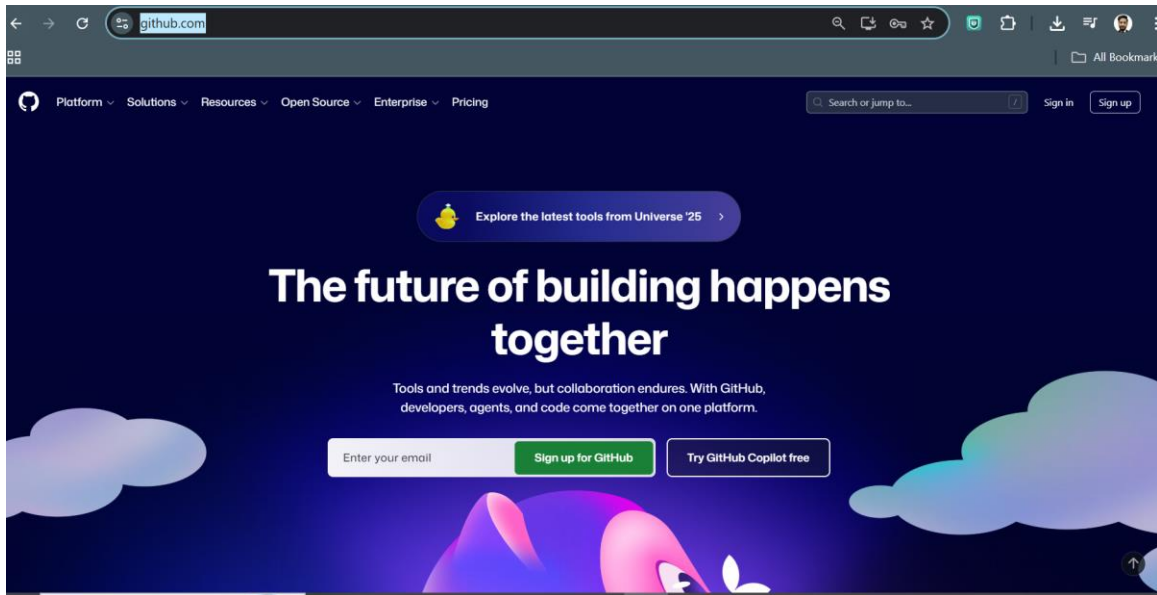
Getting Familiar with Git & GitHub

Objective: Importance and deep dive related to Git and GitHub

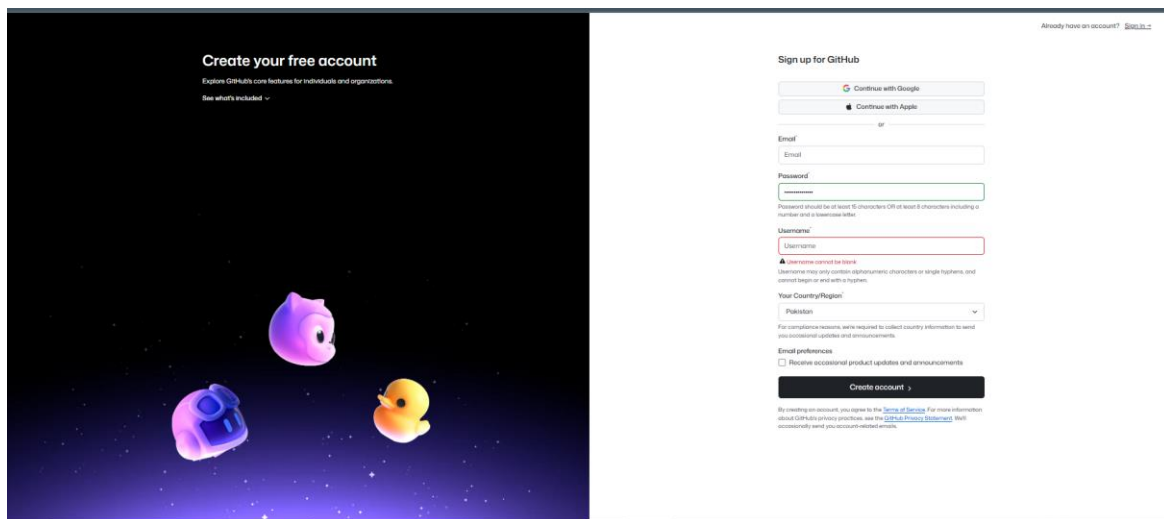
Sig up GitHub

Step 1: Open GitHub

- Go to <https://github.com> and create a free account.

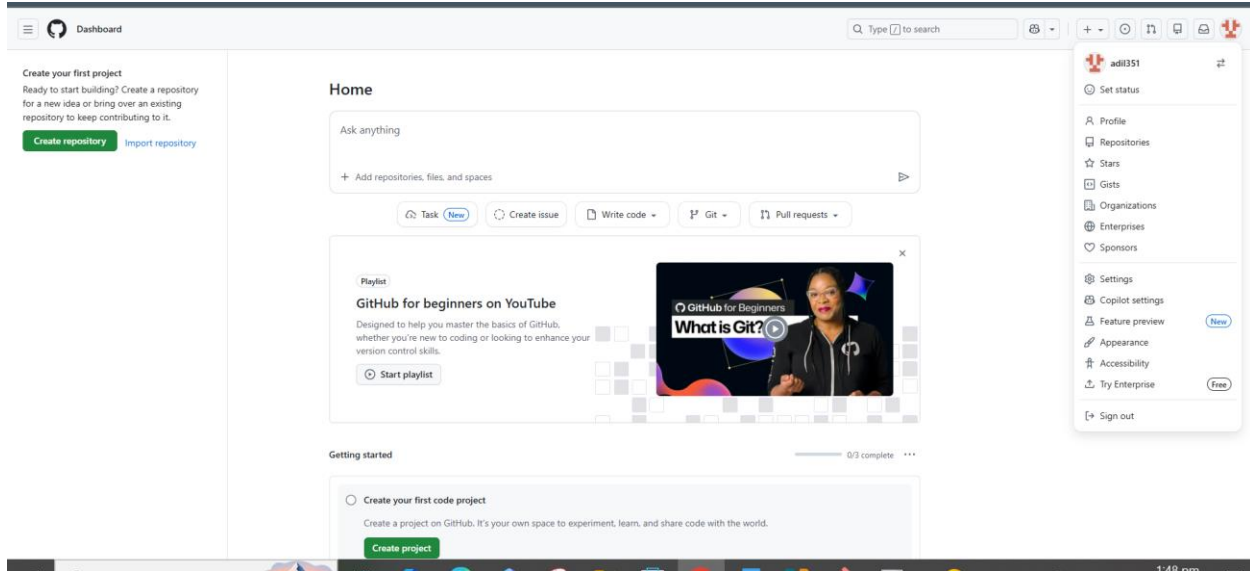


Step 2: To create an account on GitHub, you will be asked for some personal information like name, confirm your email, set a username and password, and your account should be set up in minutes.



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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 * adi1351 / Repository name *

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

Choose who can see and commit to this repository

Add README Off

READMEs can be used as longer descriptions. [About READMEs](#)

Add .gitignore No .gitignore

.gitignore tells git which files not to track. [About ignoring files](#)

Add license No license

Licenses explain how others can use your code. [About licenses](#)

[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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```
De1l@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git remote add origin https://github.com/adil351/FirstProject.git

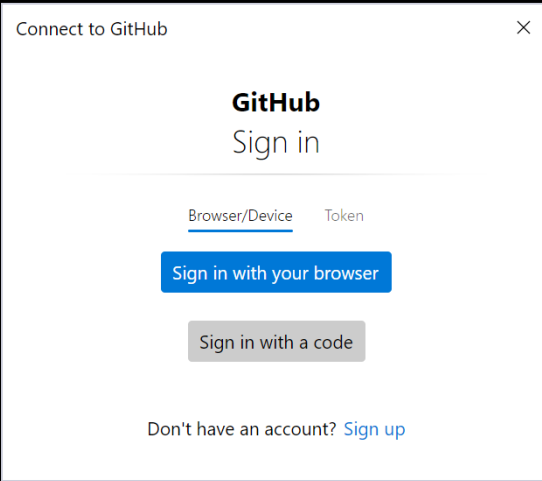
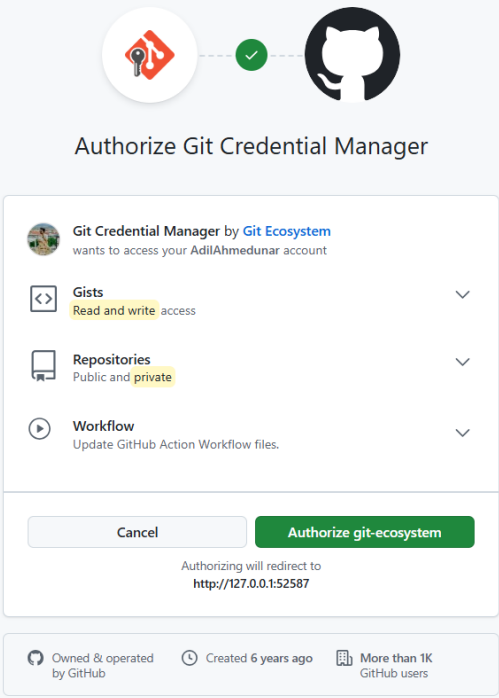
De1l@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git branch -M main

De1l@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.

```
De1l@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git branch -M main

De1l@DESKTOP-GN19D71 MINGW64 ~/Lab18Project (main)
$ git push -u origin main
|
```

A white dialog box titled "Connect to GitHub" with a close button (X) in the top right corner. It features the GitHub logo and the text "Sign in". Below this, there are two tabs: "Browser/Device" (selected) and "Token". Under the "Browser/Device" tab, there is a blue button labeled "Sign in with your browser" and a grey button labeled "Sign in with a code". At the bottom, it says "Don't have an account? [Sign up](#)".A light blue dialog box for authorizing Git Credential Manager. At the top, it shows a sequence of icons: a red key icon, a green checkmark, and the GitHub logo. Below this is the title "Authorize Git Credential Manager". The main content area shows "Git Credential Manager by Git Ecosystem" wants to access the user's "AdilAhmedunar" account. It lists three permissions: "Gists" with "Read and write" access, "Repositories" with "Public and private" access, and "Workflow" for updating GitHub Action Workflow files. Each permission has a dropdown arrow. At the bottom, there are "Cancel" and "Authorize git-ecosystem" buttons. Below the buttons, it says "Authorizing will redirect to http://127.0.0.1:52587". At the very bottom, it states "Owned & operated by GitHub", "Created 6 years ago", and "More than 1K GitHub users", with a link to "Learn more about OAuth".

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Authentication Succeeded

You may now close this tab and return to the application.

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.