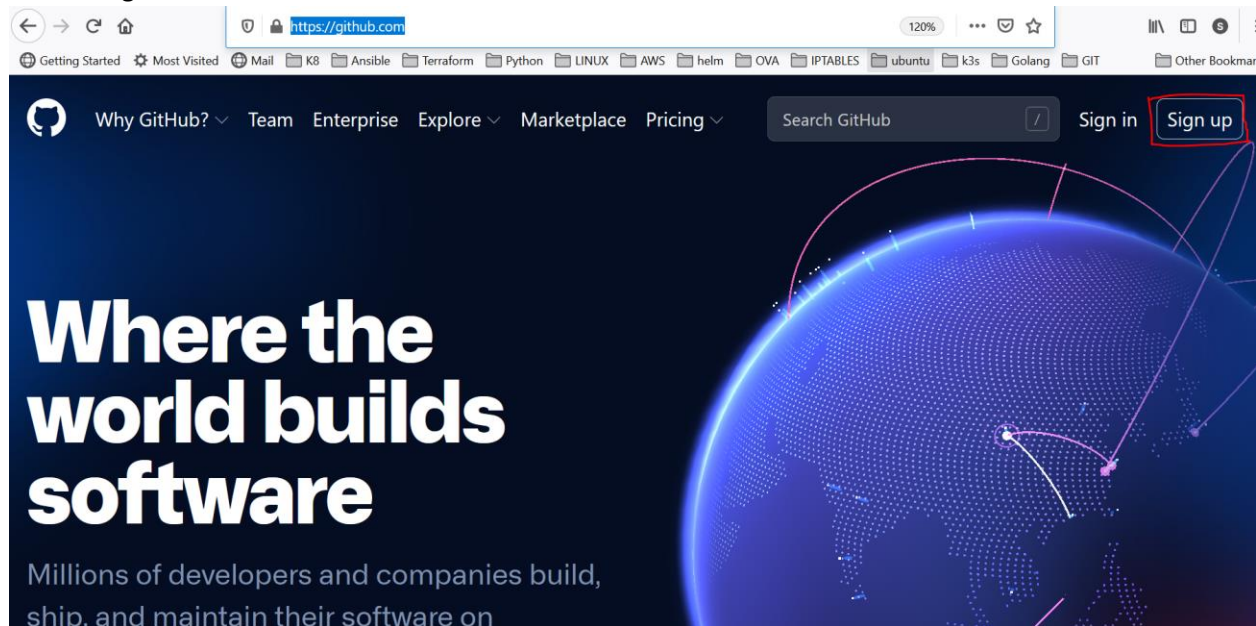# Module 6: Git Server Administration

**Problem Statement:**

       - Creation of User in GitHub
       - How to manage and provide permission

**Solution:**

In this demo, we will setup GitHub account and will see how we can create our first repository.

**STEP 1:** Account setup for GitHub is simple, go to https://github.com/ official website, you will see something like this:



**STEP 2**: Once you press, sign up, you will be redirected to page to **Create your account.**

# Create your account

**Username** *

skrajibulhuda001 ✓

**Email address** *

raj3456@gmail.com ✓

**Password** *

●●●●●●●●●●●●●●●● ✓

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.
Learn more.

**Email preferences**

☑ Send me occasional product updates, announcements, and offers.

Fill the details like username, email id, password etc.

Once you press, sign up, you will be redirected to **Welcome to GitHub page**.

By default, free plan is selected, and you will be asked some (optional) basic questions like for what purpose you plan to use GitHub for, area of interest, etc.

Selected plan: Free

# Welcome to GitHub

Woohoo! You've joined millions of developers who are doing their best work on GitHub. Tell us what you're interested in. We'll help you get there.
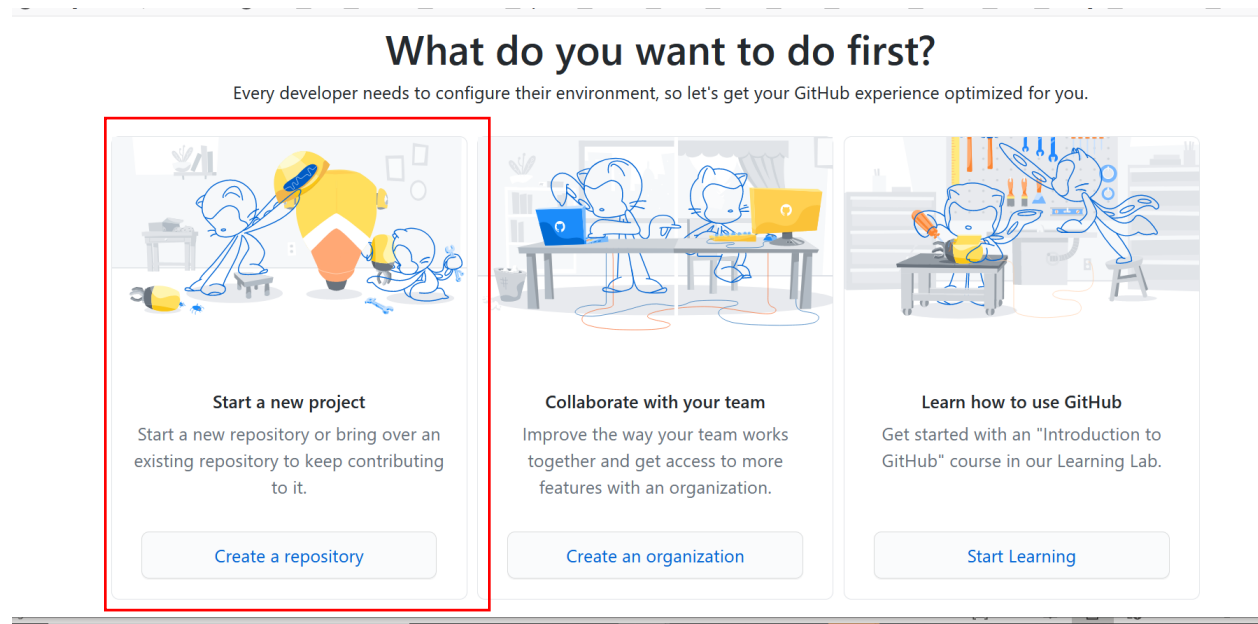
## What kind of work do you do, mainly?

| Software Engineer | Student |
|---|---|
| I write code | I go to school |

**STEP 3:** You will eventually have to verify your email address, you will receive an email to activate your

account, follow the instructions on email. Once you have activated your account, you will be redirected to below page to get started with repo creation by pressing **Create a repository.**

## What do you want to do first?

Every developer needs to configure their environment, so let's get your GitHub experience optimized for you.

**Start a new project**

Start a new repository or bring over an existing repository to keep contributing to it.

Create a repository

**Collaborate with your team**

Improve the way your team works together and get access to more features with an organization.

Create an organization

**Learn how to use GitHub**

Get started with an "Introduction to GitHub" course in our Learning Lab.

Start Learning

STEP 4: Press start **Create a repository**, to get started with creating our first project.

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

**Owner** *           **Repository name** *

rajibuldevops ▾  /  first-project  ✓

Great repository names are sh [first-project is available.] eed inspiration? How about **upgraded-octo-potato**?

**Description** (optional)

Creating first Project

◉ 📖 **Public**
   Anyone on the internet can see this repository. You choose who can commit.

○ 🔒 **Private**
   You choose who can see and commit to this repository.

**Initialize this repository with:**

Skip this step if you're importing an existing repository.

☑ **Add a README file**
   This is where you can write a long description for your project. Learn more.

☐ **Add .gitignore**
   Choose which files not to track from a list of templates. Learn more.

☐ **Choose a license**
   A license tells others what they can and can't do with your code. Learn more.

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

[ Create repository ]

**Public Repositories:** They are visible to any user on your GitHub Enterprise instance.

**Private Repositories**: They are only available to the repository owner. You can add collaborators of your choice to share, manage and provide permission.

○ **Public**
  Anyone on the internet can see this repository. You choose who can commit.

◉ **Private**
  You choose who can see and commit to this repository.

**Initialize this repository with:**

Skip this step if you're importing an existing repository.

☑ **Add a README file**
  This is where you can write a long description for your project. Learn more.

☐ **Add .gitignore**
  Choose which files not to track from a list of templates. Learn more.

☐ **Choose a license**
  A license tells others what they can and can't do with your code. Learn more.

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

**Create repository**

The repository has been created with README.md. Click **Create repository**

Once it is done, you will see something like below:

We have successfully created the private repository only available to the repository owner. You can add collaborators of your choice to share and manage and provide permission.