



**St. JOSEPH'S**  
**GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119

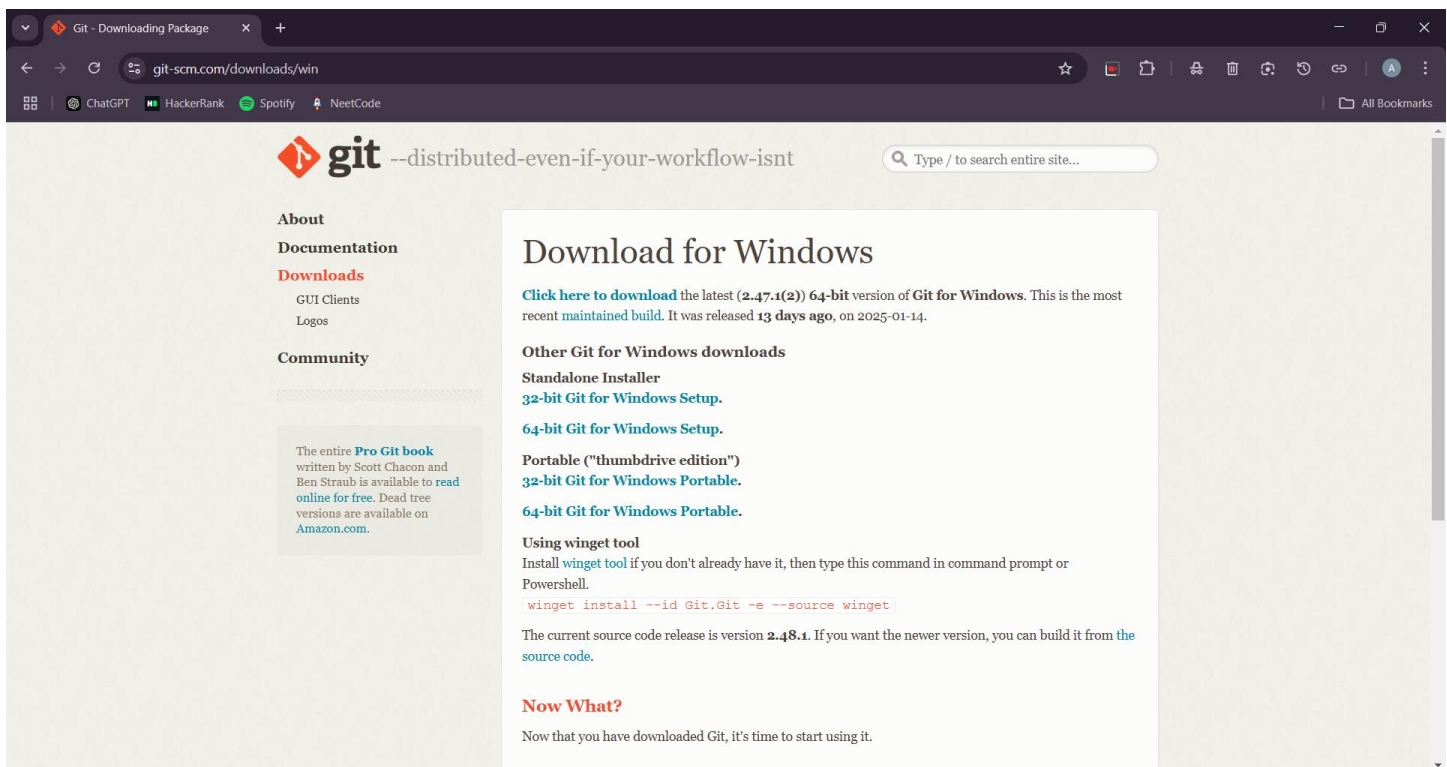


## To set up a local Git repository and connect it with a remote GitHub repository:

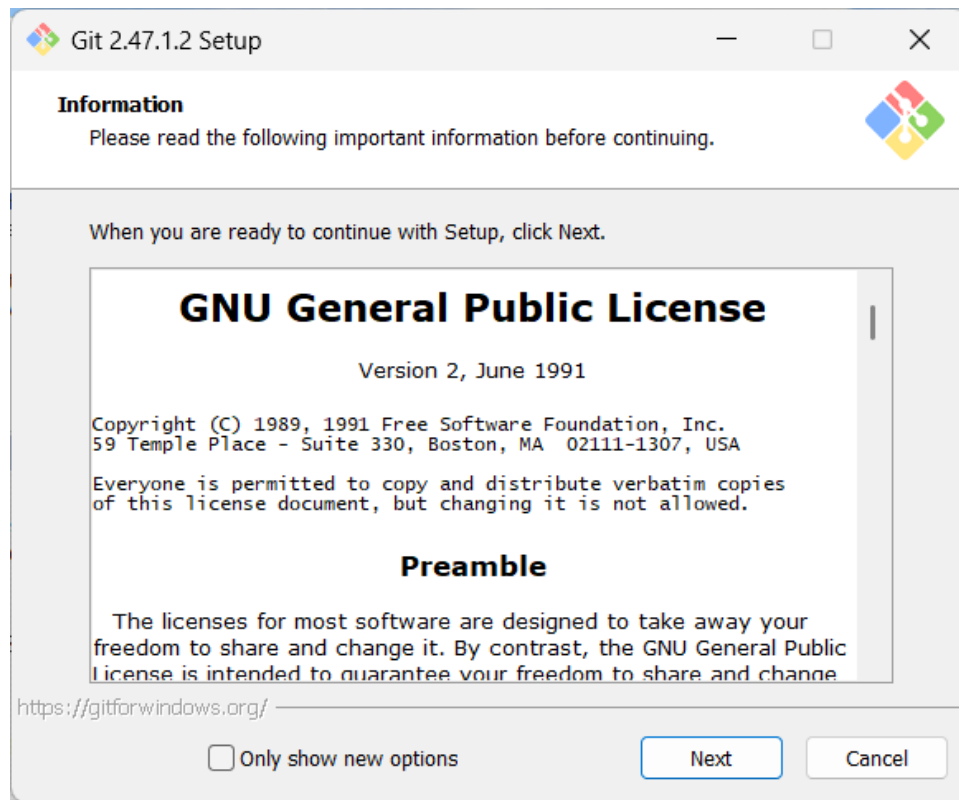
### Step 1: Install Git

#### 1. Download Git:

a. Visit the official Git website: <https://git-scm.com/>.



b. Download and install Git by following the instructions for your operating system.



## 2. Verify Git Installation:

- a. Open a terminal or command prompt and type: `git --version`
- b. You should see the installed Git version.

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.26100.2894]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>git --version
git version 2.47.1.windows.2

C:\Windows\System32>
```

## Step 2: Set Up a Local Git Repository

### 1. Create or Navigate to Your Project Directory:

a. Open a terminal/command prompt and navigate to the folder where your static website is located, or create a new folder for your project:

```
mkdir my-static-website  
cd my-static-website
```

**2. Initialize a Git Repository:**

a. In your project directory, initialize a local Git repository:

```
git init
```

**3. Add Your Files to Version Control:**

a. Use the `git add` command to stage files for the first commit:

```
git add .
```

**4. Commit the Changes:**

a. After staging, commit your changes:

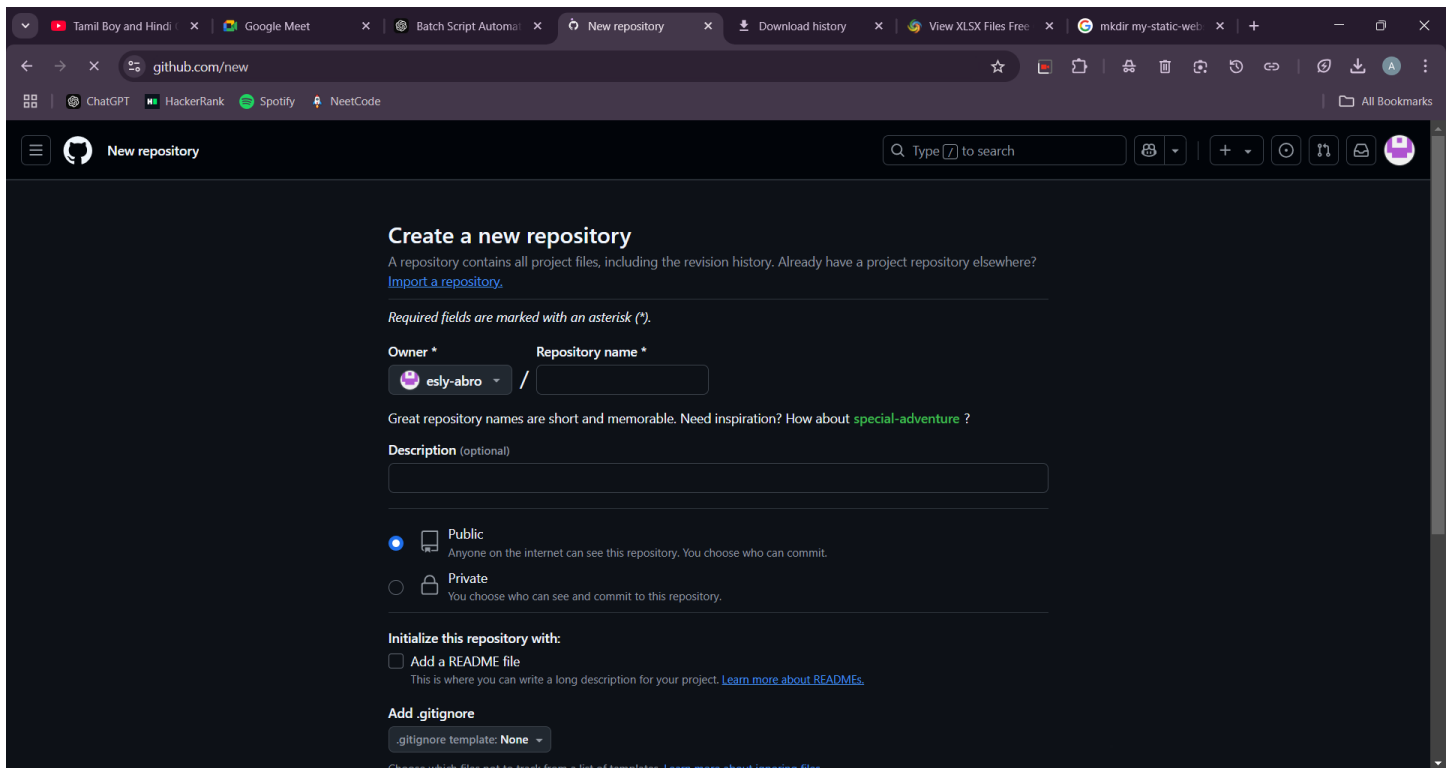
```
git commit -m "Initial commit: Set up static website"
```

### **Step 3: Create a GitHub Repository**

**1. Create a New GitHub Repository:**

a. Go to GitHub (<https://github.com/>) and log in.

- b. Click the **+** icon in the top-right corner and select **New repository**.
- c. Give your repository a name (e.g., my-static-website), add a description (optional), and choose whether it's public or private.
- d. Click **Create repository**.



The screenshot shows the GitHub 'Create a new repository' page. The browser's address bar shows 'github.com/new'. The page has a dark theme. At the top, there's a search bar and navigation icons. The main heading is 'Create a new repository' with a subtext: 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)'. Below this, a note says 'Required fields are marked with an asterisk (\*)'. The 'Owner' field is set to 'esly-abro'. The 'Repository name' field is empty. A suggestion for 'special-adventure' is shown. The 'Description' field is optional and empty. Under 'Initialize this repository with:', the 'Public' radio button is selected, with a note: 'Anyone on the internet can see this repository. You choose who can commit.' The 'Private' option is also available. There's a checkbox for 'Add a README file' with a note: 'This is where you can write a long description for your project. [Learn more about READMEs.](#)'. Below that, the 'Add .gitignore' section shows a dropdown menu set to 'None'.

## 2. **Connect the Local Repository with GitHub:**

- a. Copy the GitHub repository URL (SSH or HTTPS).
- b. In your terminal/command prompt, link the local repository to GitHub: `git remote add origin`  
<https://github.com/yourusername/my->

## static-website.git

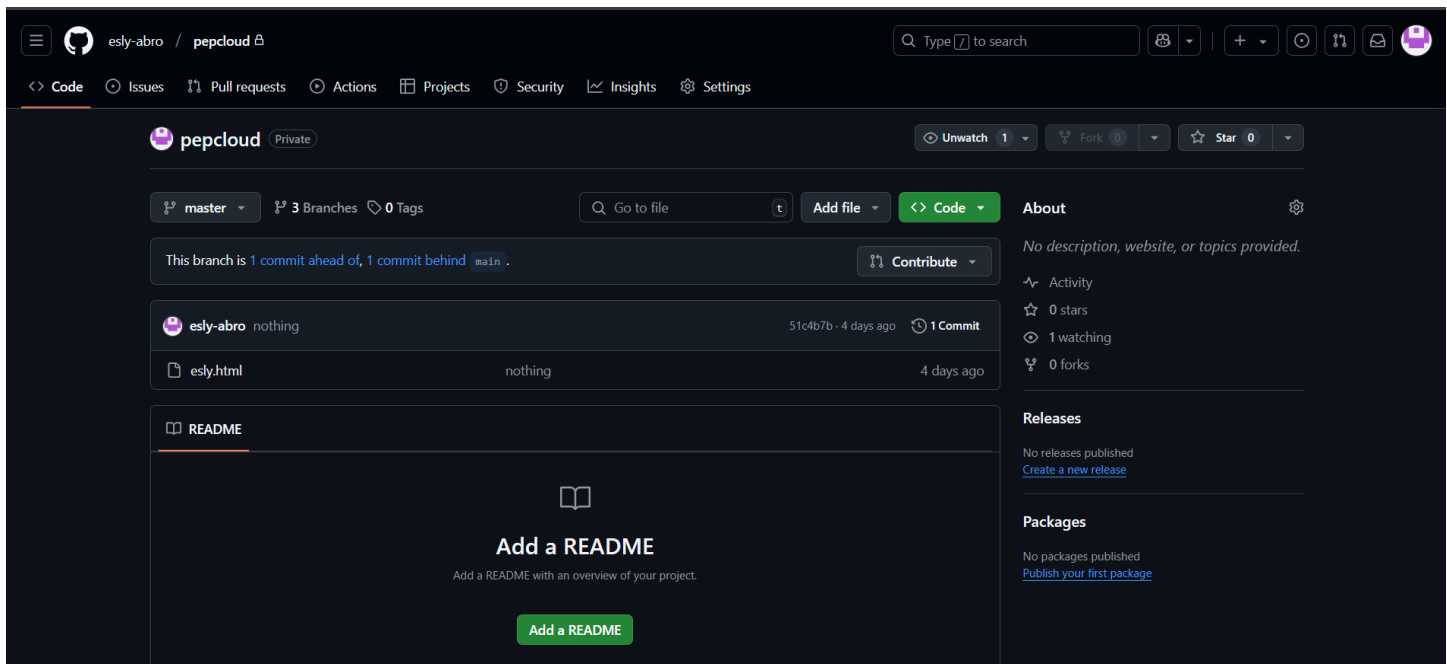
### 3. **Push Local Changes to GitHub:**

- a. Push the changes from your local repository to GitHub: `git push -u origin master`

## Step 4: Verify Your Repository on GitHub

### 1. **Go to Your GitHub Repository:**

- a. Visit your repository on GitHub, and you should see your static website files.



## Summary of Git Commands

- `git init`: Initializes a local Git repository.
- `git add .`: Stages all files for a commit.

- `git commit -m "message"`: Commits changes with a message.
- `git remote add origin <url>`: Connects the local repository with a remote one (GitHub).
- `git push -u origin master`: Pushes changes to GitHub.