

## Task-6: Static Website Hosting with GitHub Pages

**Objective:** The objective of this task is to design and deploy a simple static HTML + CSS website and host it for free using GitHub Pages.

### Tools & Technologies Used:

- HTML5 – For website structure.
- CSS3 – For styling and layout.
- GitHub Pages – For free website hosting.
- Git – For version control and pushing code to the repository.

### Project Description:

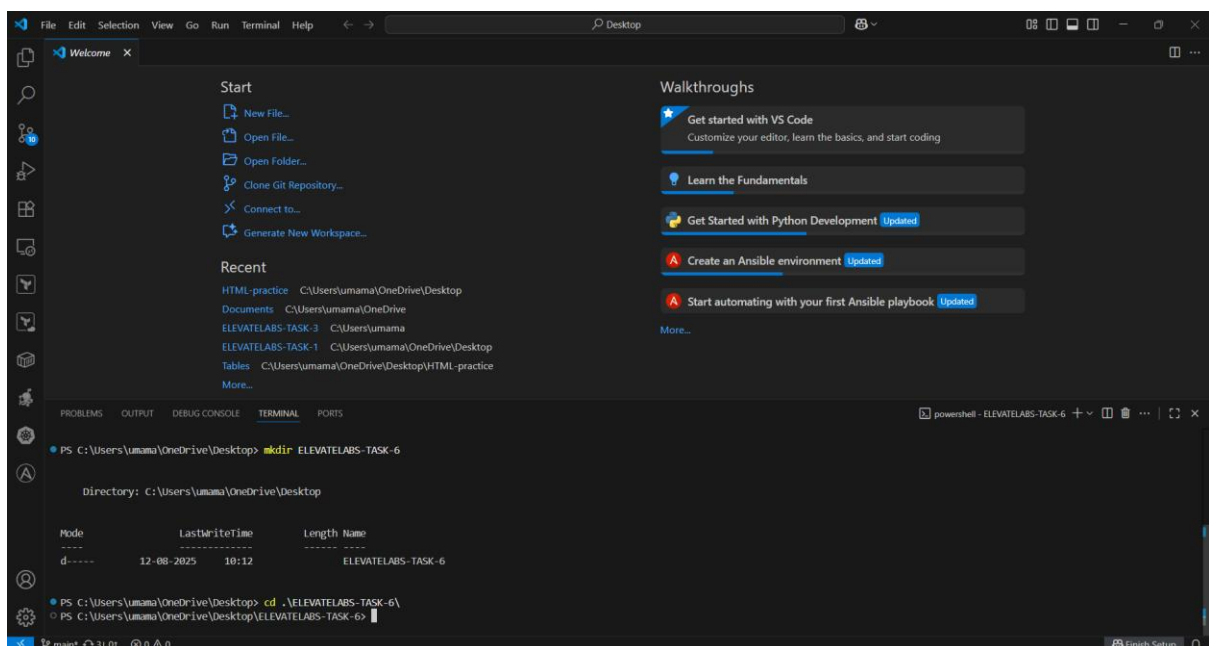
This project is a static portfolio-style website consisting of:

- A header with the title and purpose.
- A main section with project description and benefits of GitHub Pages.
- A footer with credits and copyright.

### Implementation Steps:

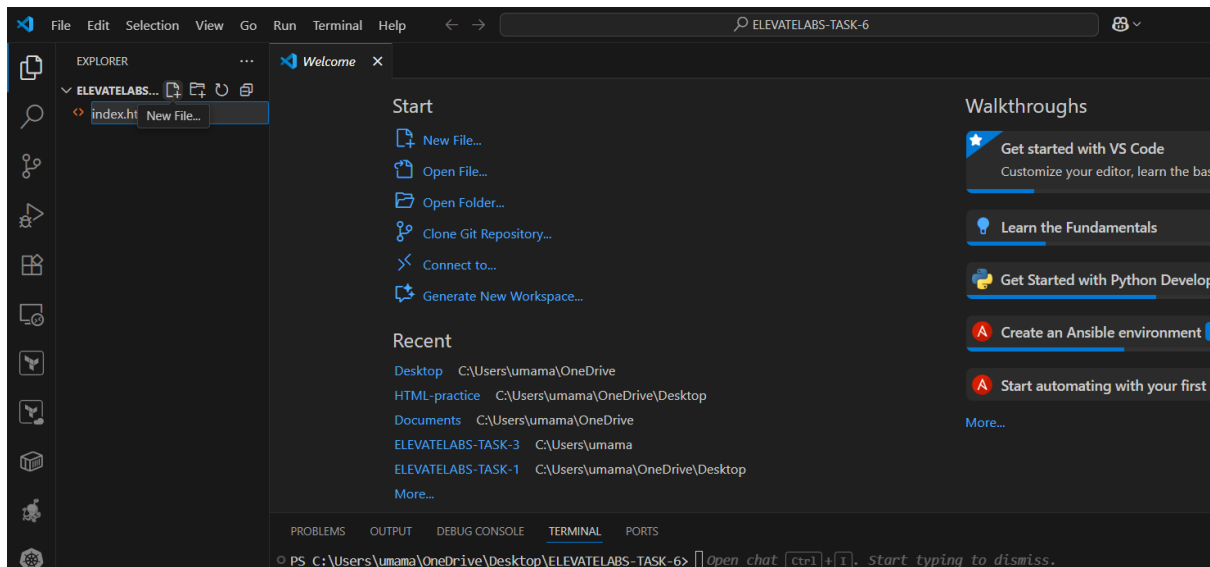
#### Step 1 – Create Project Folder Locally

Create a folder on your computer named: ELEVATELABS-TASK-6



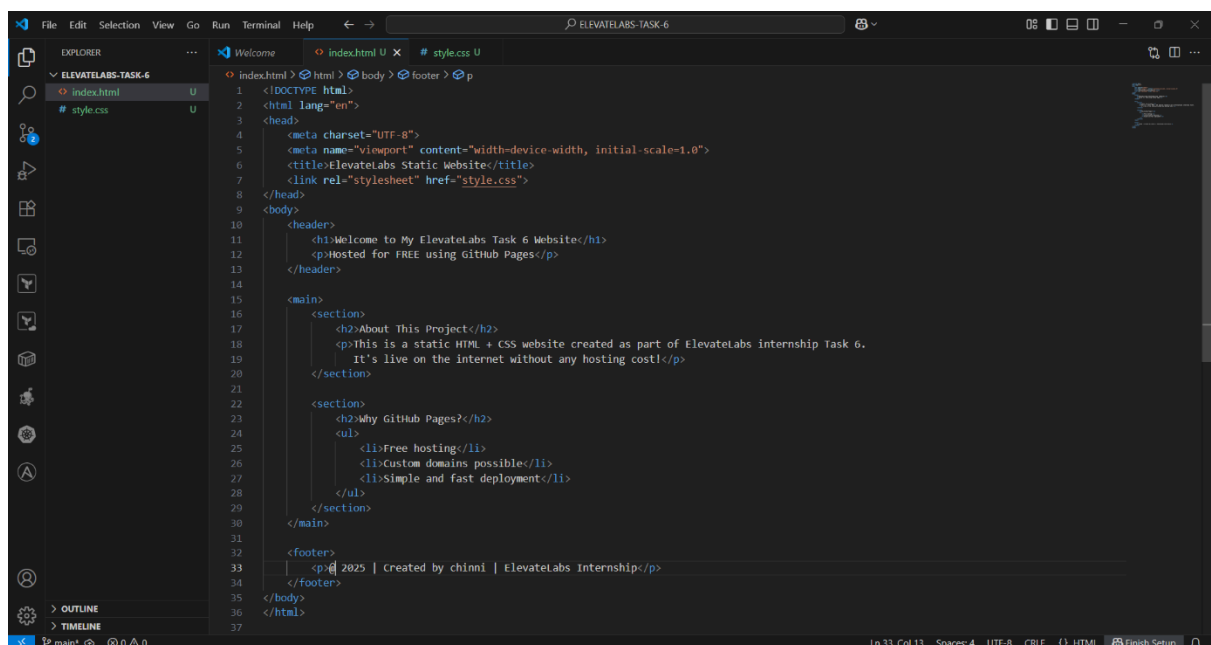
Inside it, create two files: index.html, style.css

At upper left corner we can create the new files.



## Step 2 – Create HTML File

- Designed index.html with proper HTML5 structure.
- Added header, main, and footer sections.
- Used semantic tags for better readability.

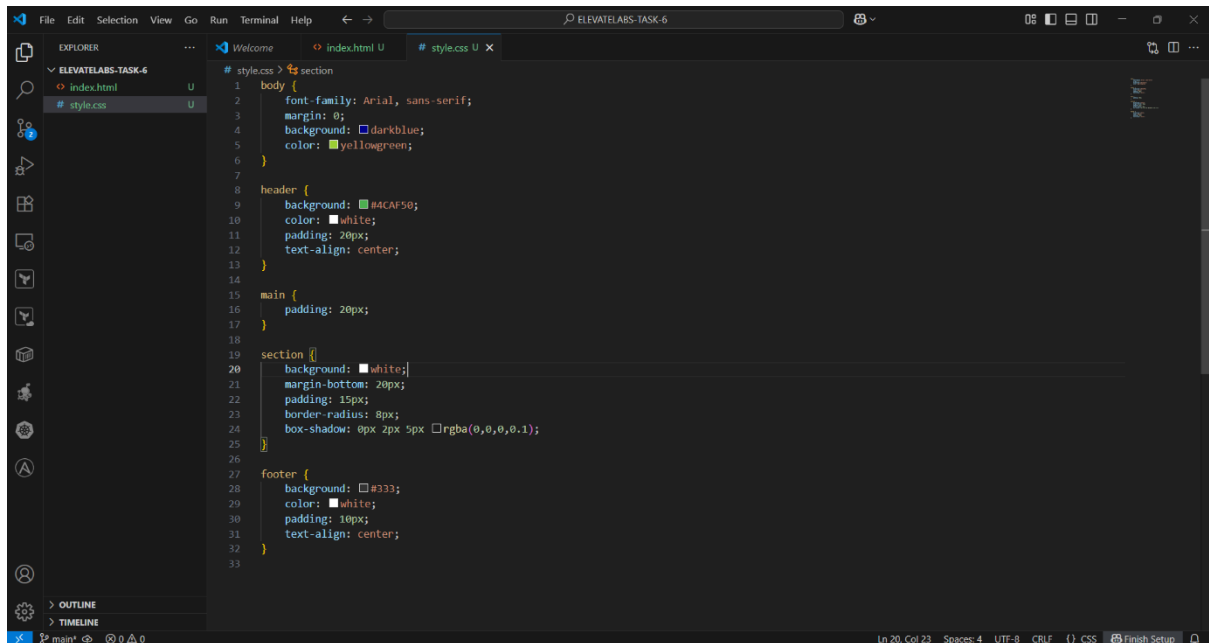


## Step 3 – Create CSS File

Created style.css for styling.

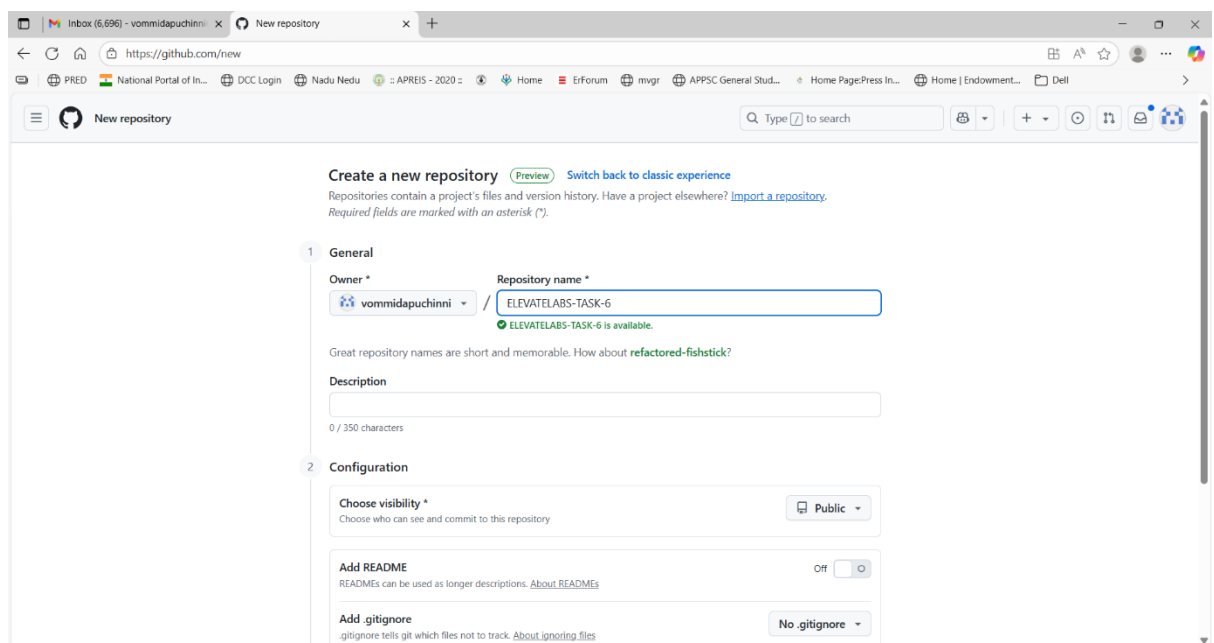
## Applied:

- Background colors
- Text colors
- Padding and margins
- Box shadows and rounded corners

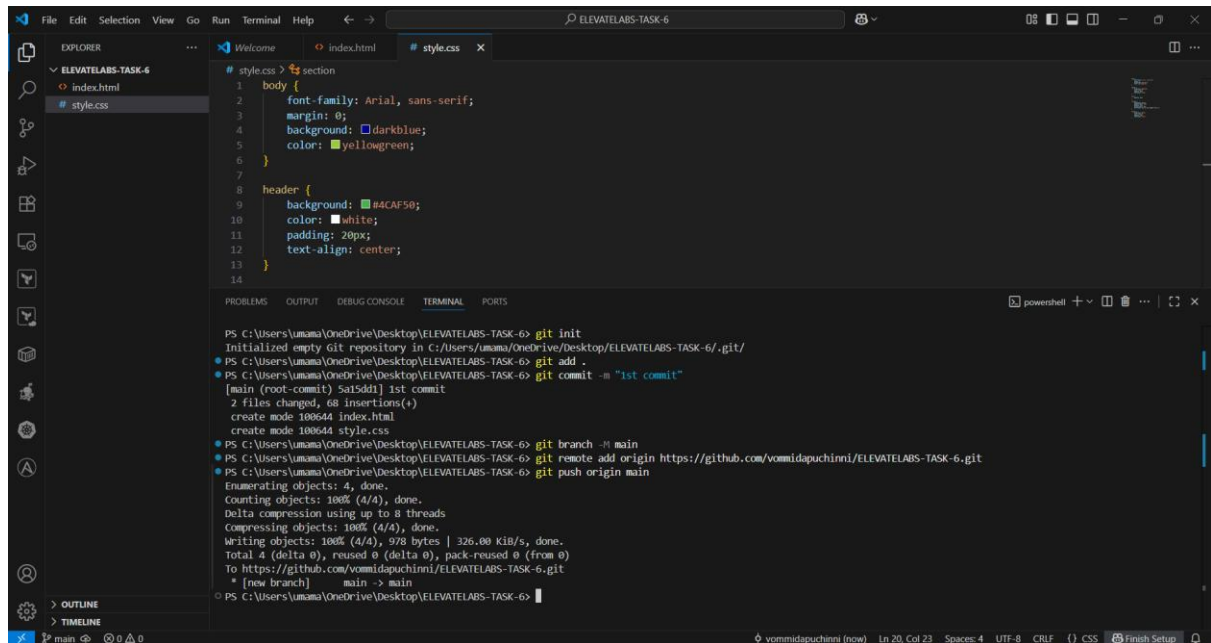


## Step 4 – Push Code to GitHub

1. Created a new repository (ELEVATELABS-TASK-6).



Push files using git init, git add ., git commit -m “1<sup>st</sup> commit”, git push origin main.



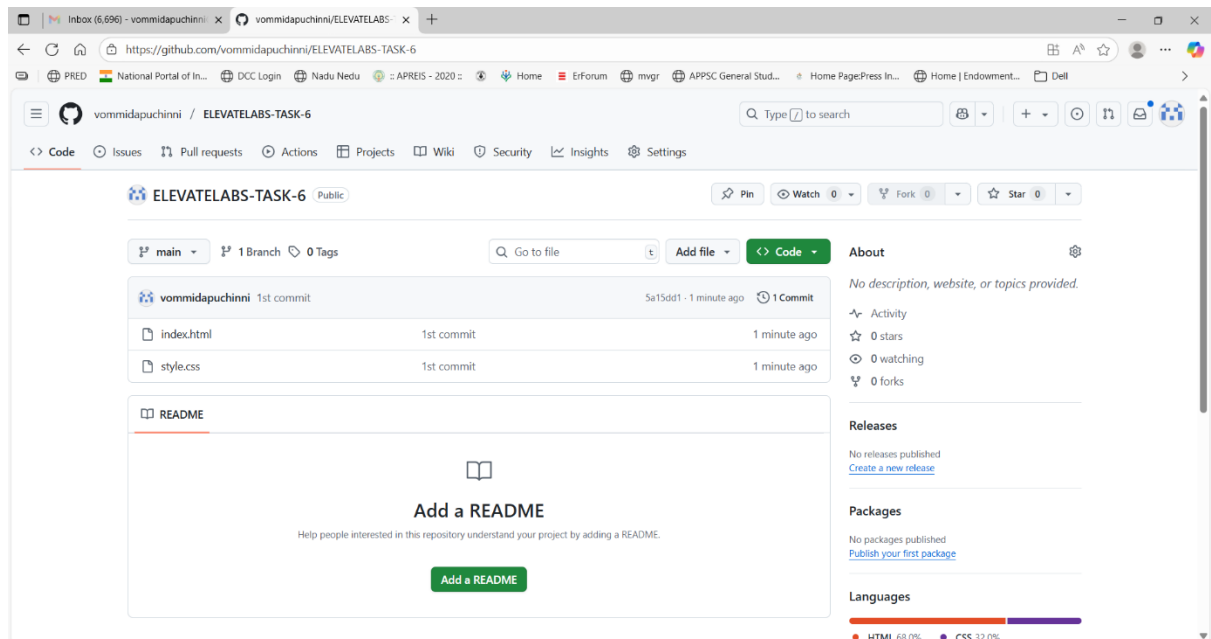
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'ELEVATELABS-TASK-6' with two files: 'index.html' and 'style.css'. The main editor area shows the 'style.css' file with the following content:

```
1 section
2 {
3   font-family: Arial, sans-serif;
4   margin: 0;
5   background: darkblue;
6   color: yellowgreen;
7 }
8
9 header {
10  background: #4CAF50;
11  color: white;
12  padding: 20px;
13  text-align: center;
14 }
```

The terminal window at the bottom shows the following commands and output:

```
PS C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6> git init
Initialized empty Git repository in C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6\.git\
PS C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6> git add .
PS C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6> git commit -m "1st commit"
[main (root-commit) 5a15dd1] 1st commit
2 files changed, 68 insertions(+)
create mode 100644 index.html
create mode 100644 style.css
PS C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6> git branch -M main
PS C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6> git remote add origin https://github.com/vommidapuchinni/ELEVATELABS-TASK-6.git
PS C:\Users\umama\OneDrive\Desktop\ELEVATELABS-TASK-6> git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 978 bytes | 326.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/vommidapuchinni/ELEVATELABS-TASK-6.git
 * [new branch]    main -> main
```

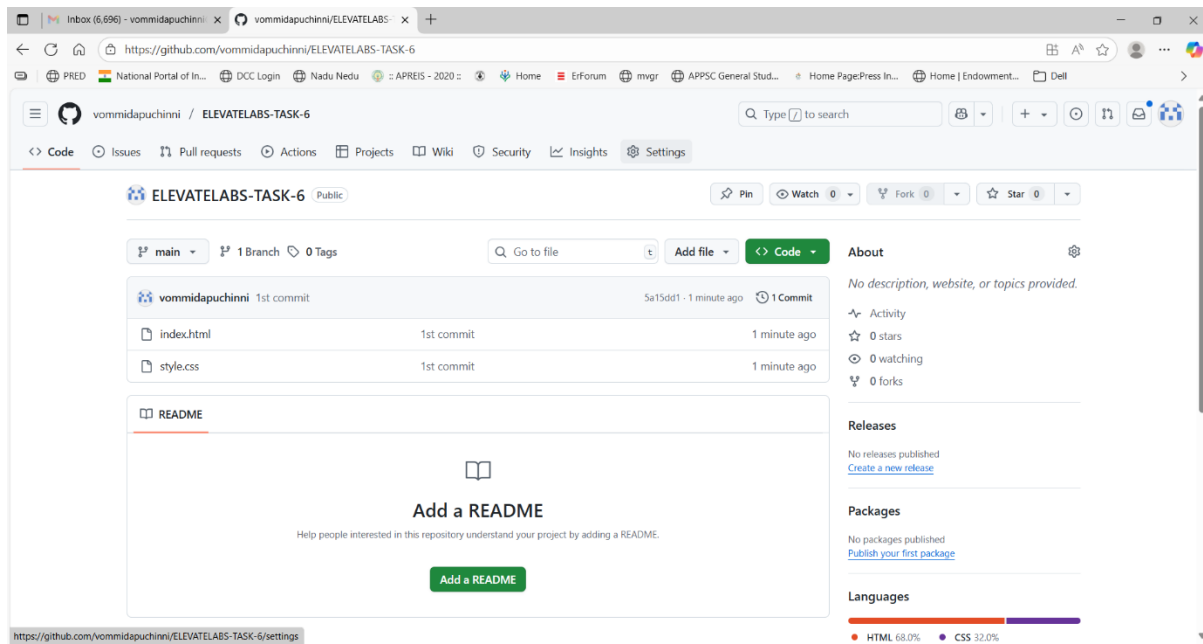
we can see files are pushed



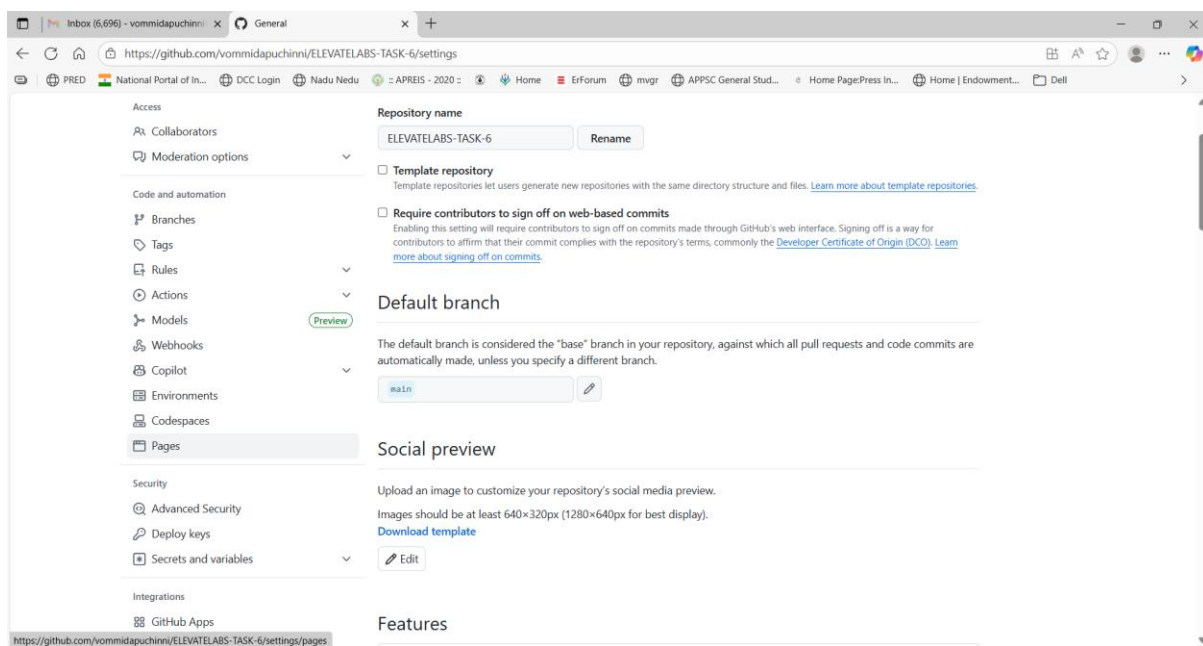
## Step 5 – Deploy Using GitHub Pages

### Enable GitHub Pages

1. Go to your repo → Settings



→ Pages.



## 2. Under Branch,

### GitHub Pages

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

## Build and deployment

### Source

Deploy from a branch ▼

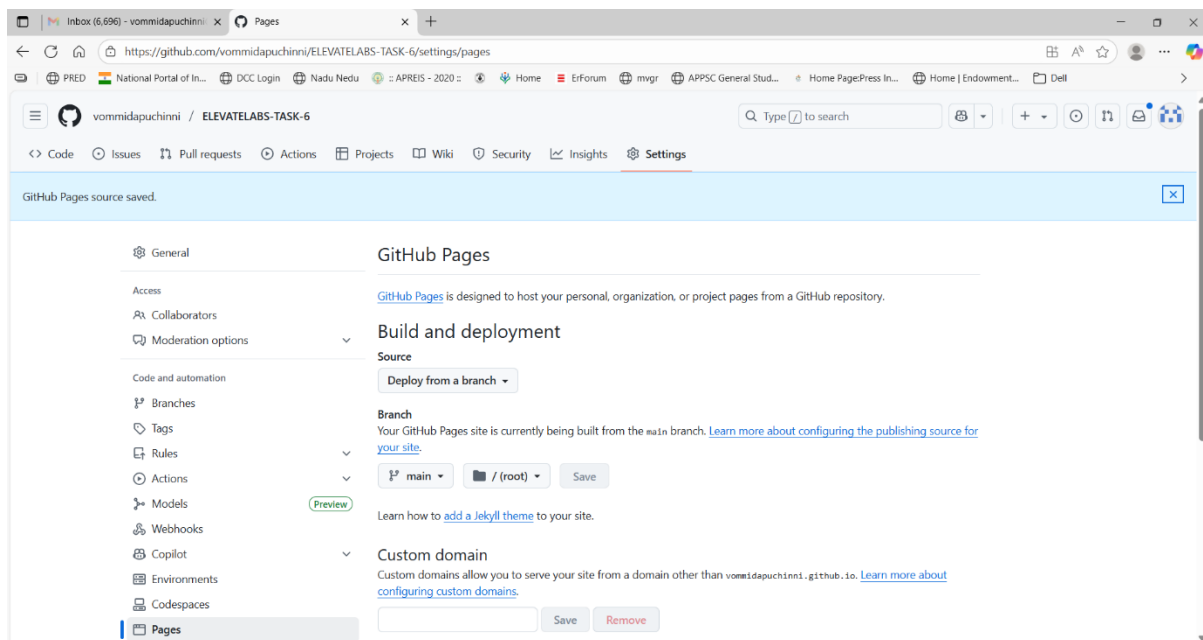
### Branch

GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository. [Learn more about configuring the publishing source for your site.](#)

None ▼

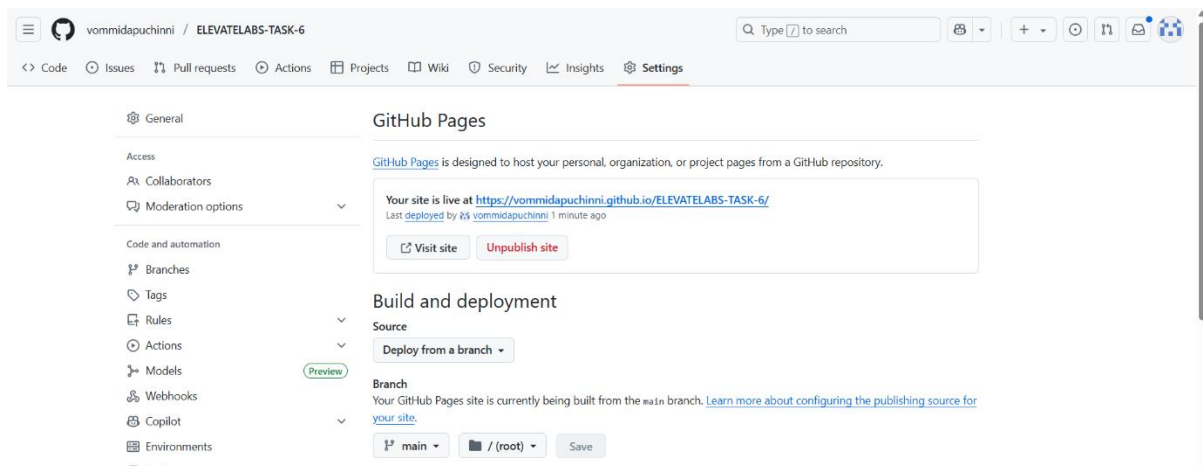
Save

select main and root folder.



3. Click Save.

4. Wait a few seconds — your live site link will appear



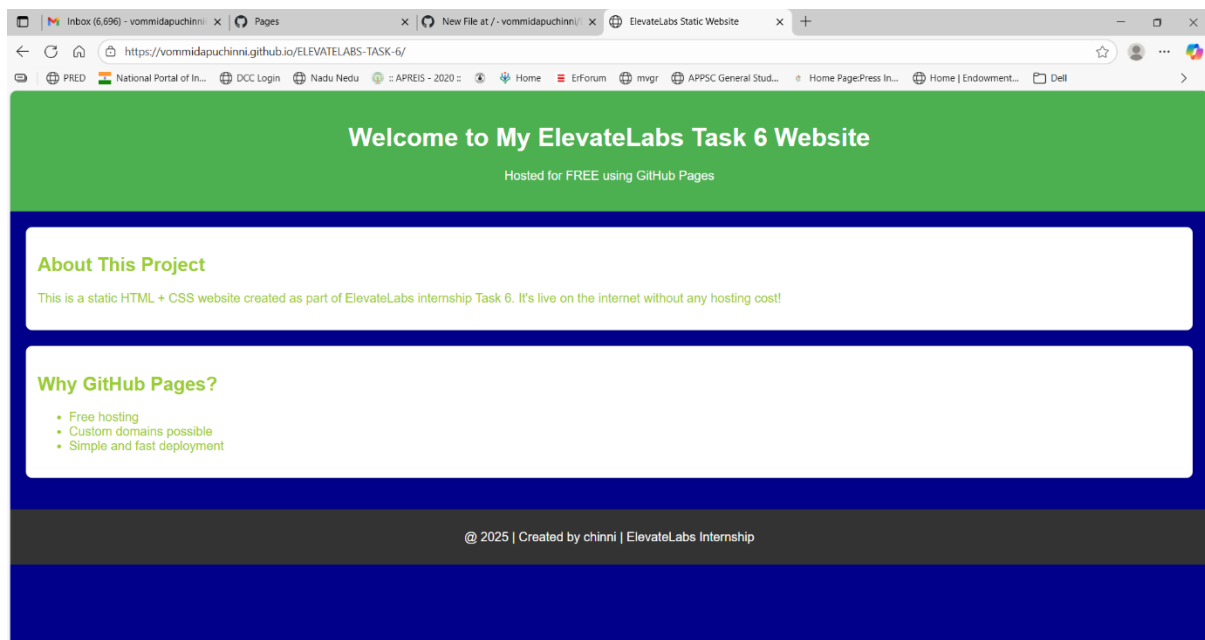
## Key Concepts Learned

- How to structure a static webpage using HTML5.
- Applying CSS3 for styling and layout.
- Hosting a website for free with GitHub Pages.
- Using Git and GitHub for version control.

## Output

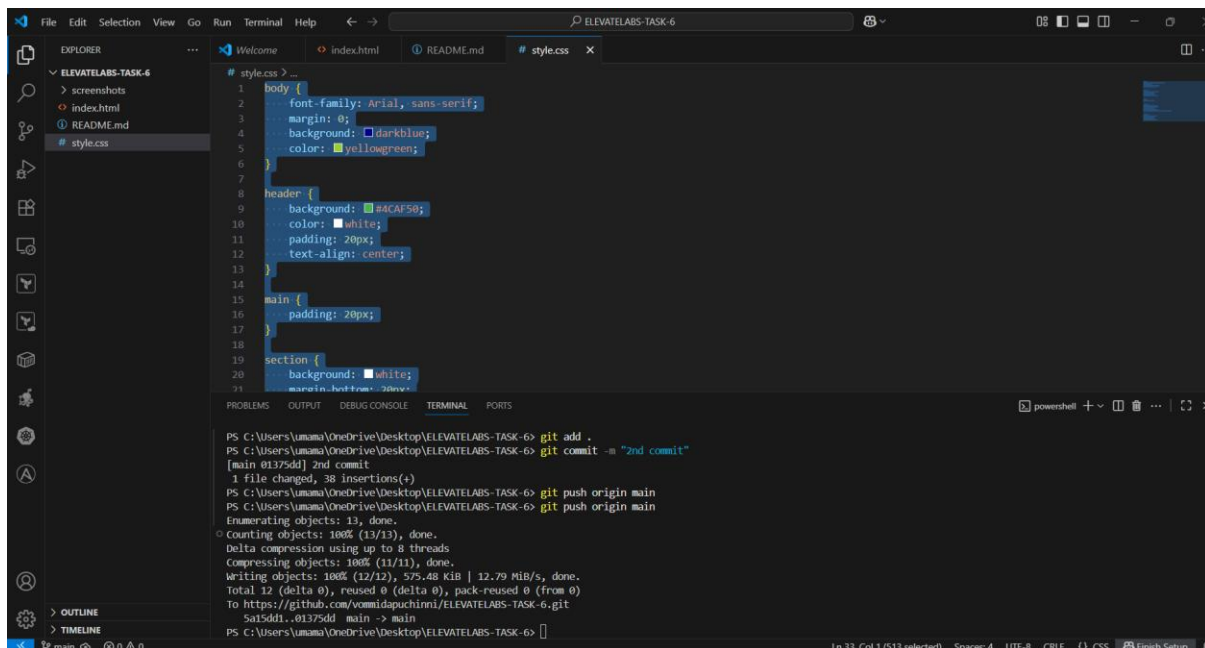
- **Live Website:**

<https://vommidapuchinni.github.io/ELEVATELABS-TASK-6/>



Added README.md file and screenshots

Those are pushed to git



## Conclusion

This task demonstrated the complete process of creating and deploying a static website using HTML, CSS, and GitHub Pages, providing hands-on experience in web development and cloud hosting.