

# Beginner project

## Personal Portfolio Website

**Objective:** Create a simple personal website that includes sections like “About Me”, “Projects”, “Contact” etc.

**Skills:** HTML,CSS,JS using Git to track changes and pushing to GitHub

**GitHub concepts used:** init, add, commit, push, clone, pages

### Process:

Step 1: Use the Git bash to create a folder Portfolio and create the index.html and style.css files in the folder using the touch command.

```
Administrator@c99afc4984265e2 MINGW64 ~ (master)
$ cd Desktop/

Administrator@c99afc4984265e2 MINGW64 ~/Desktop (master)
$ cd portfolio/

Administrator@c99afc4984265e2 MINGW64 ~/Desktop/portfolio (master)
$ ls

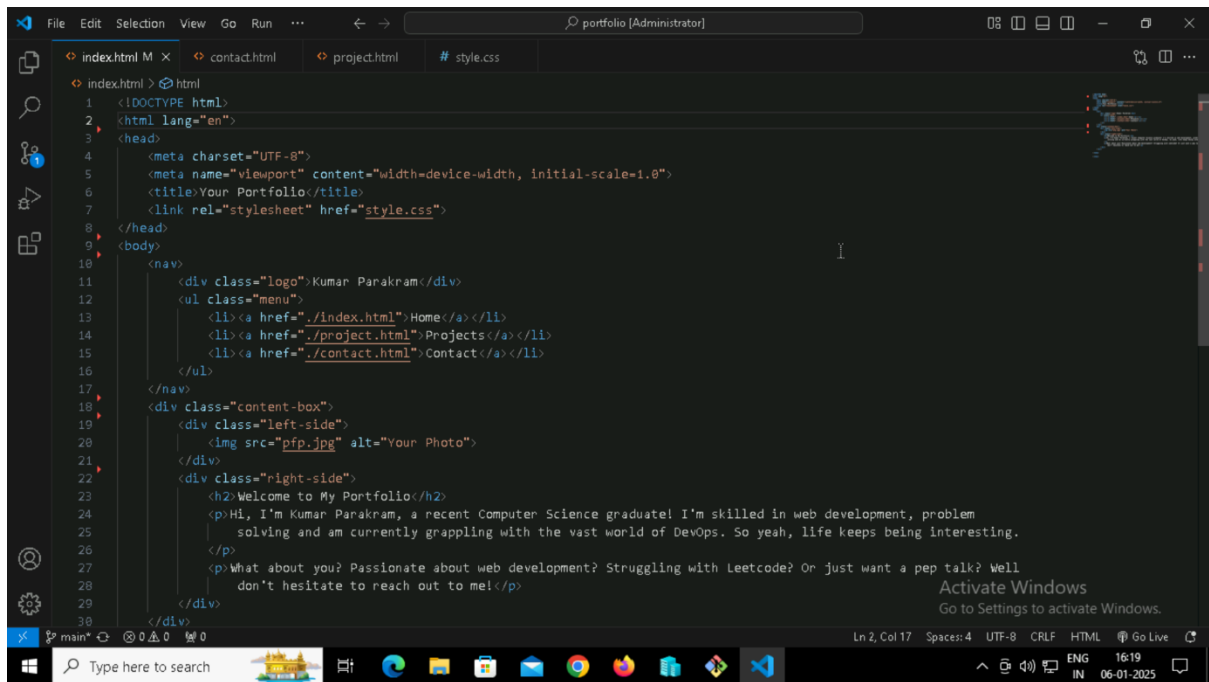
Administrator@c99afc4984265e2 MINGW64 ~/Desktop/portfolio (master)
$ touch index.html

Administrator@c99afc4984265e2 MINGW64 ~/Desktop/portfolio (master)
$ touch style.css index.js

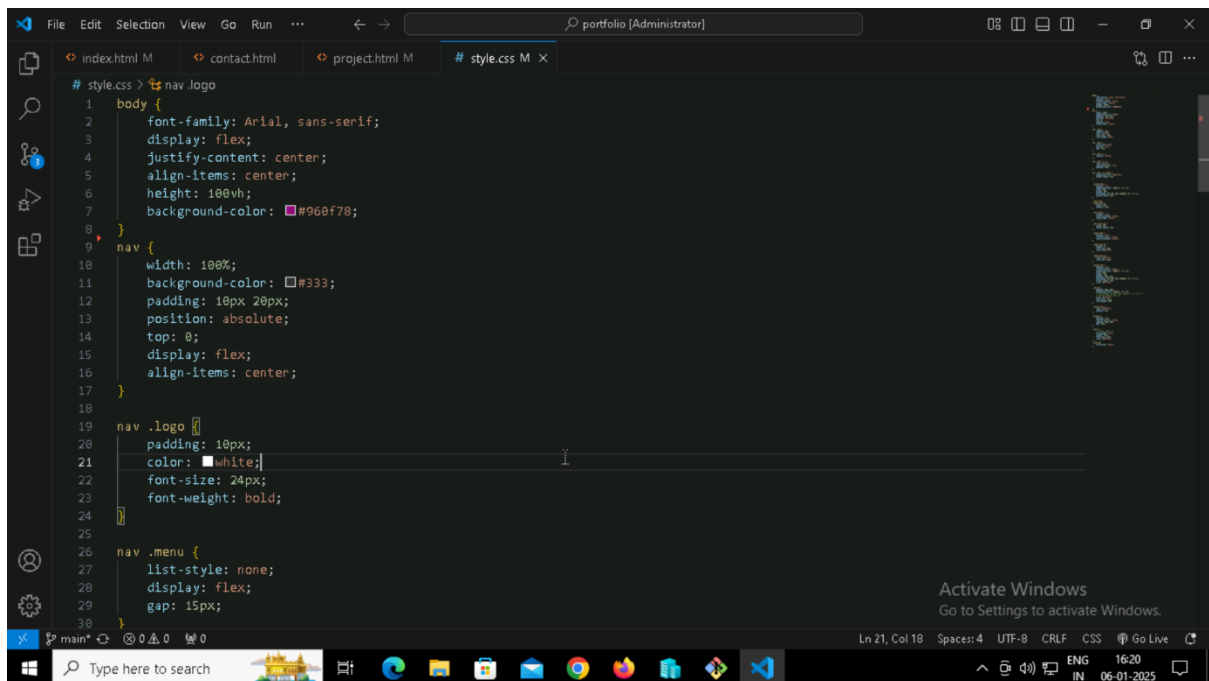
Administrator@c99afc4984265e2 MINGW64 ~/Desktop/portfolio (master)
$ code .
```

Step 2: Open the folder in VS Code to begin creating the website.

Step 3: Format the index.html to display the homepage and add the accompanying CSS

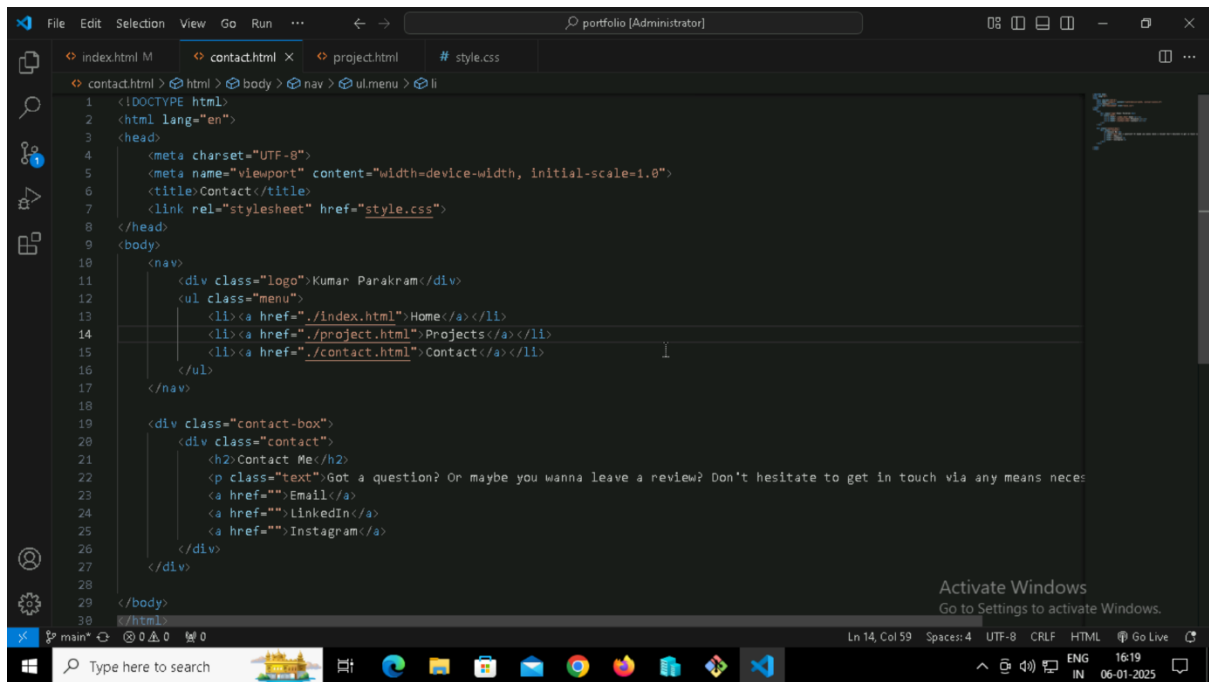
A screenshot of the Visual Studio Code editor interface. The top toolbar shows 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', and a search icon. The breadcrumb at the top reads 'portfolio [Administrator]'. The Explorer sidebar on the left shows a file tree with 'index.html M', 'contact.html', 'project.html', and '# style.css'. The main editor area displays the content of 'index.html'. The code starts with a DOCTYPE declaration, followed by a head section containing a meta charset, a viewport meta tag, a title 'Your Portfolio', and a link to 'style.css'. The body contains a navigation bar with a logo 'Kumar Parakram' and a menu with links to 'Home', 'Projects', and 'Contact'. Below the navigation bar is a 'content-box' containing a 'left-side' with a placeholder image 'pfp.jpg' and a 'right-side' with a welcome message and a bio paragraph. The status bar at the bottom indicates 'Ln 2, Col 17', 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', and 'Go Live'. The Windows taskbar is visible at the very bottom.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Your Portfolio</title>
7   <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10   <nav>
11     <div class="logo">Kumar Parakram</div>
12     <ul class="menu">
13       <li><a href="./index.html">Home</a></li>
14       <li><a href="./project.html">Projects</a></li>
15       <li><a href="./contact.html">Contact</a></li>
16     </ul>
17   </nav>
18   <div class="content-box">
19     <div class="left-side">
20       
21     </div>
22     <div class="right-side">
23       <h2>Welcome to My Portfolio</h2>
24       <p>Hi, I'm Kumar Parakram, a recent Computer Science graduate! I'm skilled in web development, problem solving and am currently grappling with the vast world of DevOps. So yeah, life keeps being interesting.</p>
25       <p>What about you? Passionate about web development? Struggling with Leetcode? Or just want a pep talk? Well don't hesitate to reach out to me!</p>
26     </div>
27   </div>
28 </body>
29 </html>
```

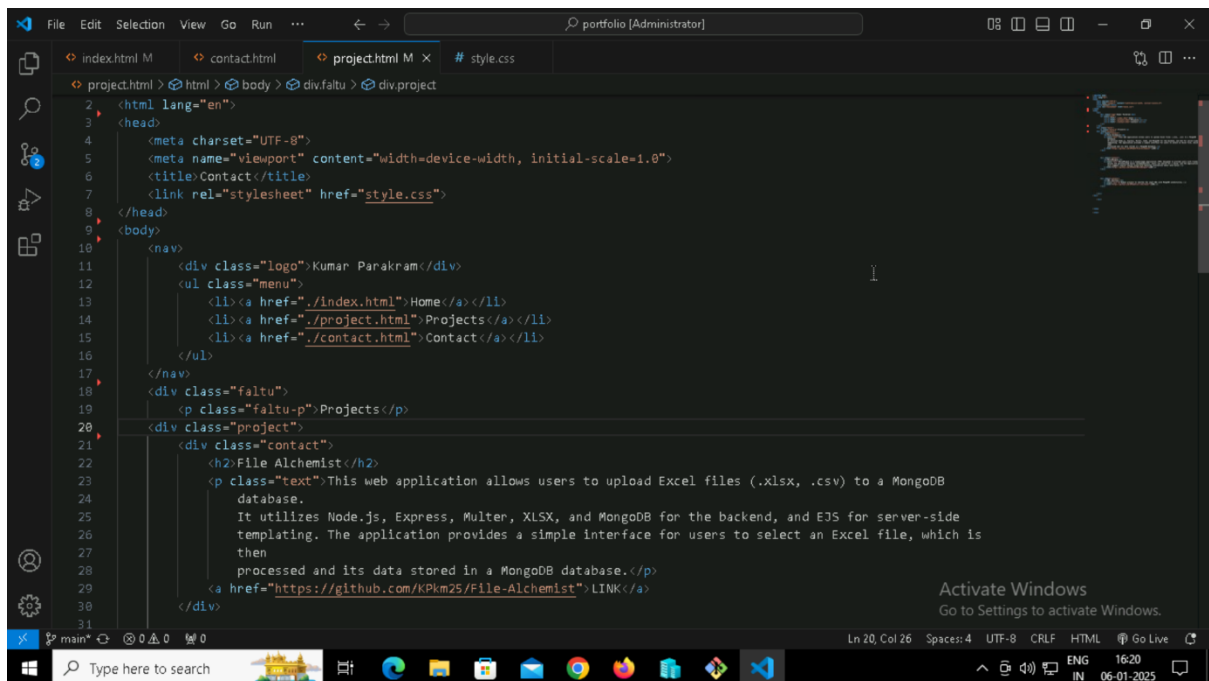
A screenshot of the Visual Studio Code editor interface, showing the 'style.css' file. The breadcrumb at the top reads 'portfolio [Administrator]'. The Explorer sidebar on the left shows a file tree with 'index.html M', 'contact.html', 'project.html M', and '# style.css M'. The main editor area displays the CSS code. The code defines styles for the 'body', 'nav', 'nav .logo', and 'nav .menu'. The 'body' is set to a sans-serif font, flex display, centered content, 100vh height, and a light gray background. The 'nav' is set to 100% width, dark gray background, 10px padding, absolute position, flex display, and centered items. The 'nav .logo' is set to 10px padding, white color, 24px font size, and bold font weight. The 'nav .menu' is set to no list style, flex display, and 15px gap. The status bar at the bottom indicates 'Ln 21, Col 18', 'Spaces: 4', 'UTF-8', 'CRLF', 'CSS', and 'Go Live'. The Windows taskbar is visible at the very bottom.

```
1 body {
2   font-family: Arial, sans-serif;
3   display: flex;
4   justify-content: center;
5   align-items: center;
6   height: 100vh;
7   background-color: #969696;
8 }
9
10 nav {
11   width: 100%;
12   background-color: #333;
13   padding: 10px 20px;
14   position: absolute;
15   top: 0;
16   display: flex;
17   align-items: center;
18 }
19
20 nav .logo {
21   padding: 10px;
22   color: white;
23   font-size: 24px;
24   font-weight: bold;
25 }
26
27 nav .menu {
28   list-style: none;
29   display: flex;
30   gap: 15px;
31 }
```

Step 4: To create a more comprehensive and descriptive website, add the pages for Contact and Projects.

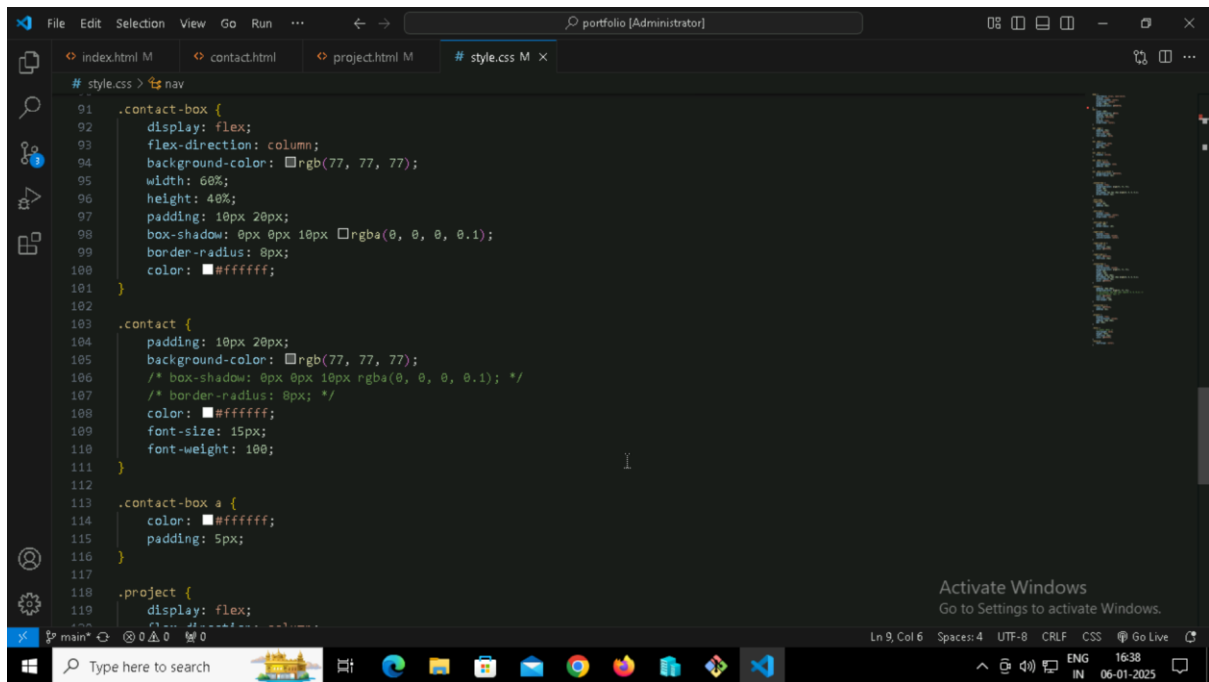


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Contact</title>
7   <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10   <nav>
11     <div class="logo">Kumar Parakram</div>
12     <ul class="menu">
13       <li><a href="./index.html">Home</a></li>
14       <li><a href="./project.html">Projects</a></li>
15       <li><a href="./contact.html">Contact</a></li>
16     </ul>
17   </nav>
18
19   <div class="contact-box">
20     <div class="contact">
21       <h2>Contact Me</h2>
22       <p class="text">Got a question? Or maybe you wanna leave a review? Don't hesitate to get in touch via any means neces
23       <a href="">Email</a>
24       <a href="">LinkedIn</a>
25       <a href="">Instagram</a>
26     </div>
27   </div>
28
29 </body>
30 </html>
```



```
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Contact</title>
7   <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10   <nav>
11     <div class="logo">Kumar Parakram</div>
12     <ul class="menu">
13       <li><a href="./index.html">Home</a></li>
14       <li><a href="./project.html">Projects</a></li>
15       <li><a href="./contact.html">Contact</a></li>
16     </ul>
17   </nav>
18   <div class="faltu">
19     <p class="faltu-p">Projects</p>
20   </div>
21   <div class="project">
22     <div class="contact">
23       <h2>File Alchemist</h2>
24       <p class="text">This web application allows users to upload Excel files (.xlsx, .csv) to a MongoDB
25       database.
26       It utilizes Node.js, Express, Multer, XLSX, and MongoDB for the backend, and EJS for server-side
27       templating. The application provides a simple interface for users to select an Excel file, which is
28       then
29       processed and its data stored in a MongoDB database.</p>
30       <a href="https://github.com/KPkm25/File-Alchemist">LINK</a>
31     </div>
32   </div>
33 </body>
34 </html>
```

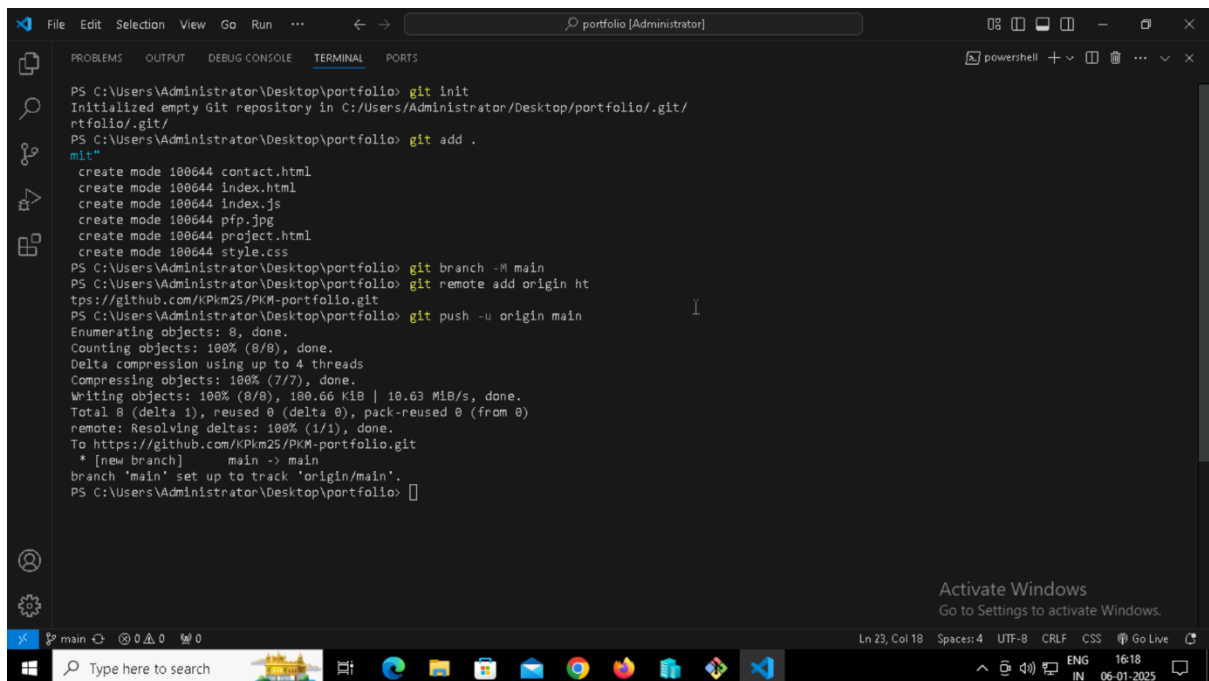
Step 5: Add CSS styling to make the website more attractive and user friendly



The screenshot shows the Visual Studio Code editor with a file explorer on the left and a code editor in the center. The code editor displays the contents of a file named `style.css`. The code defines three CSS classes: `.contact-box`, `.contact`, and `.contact-box a`. The `.contact-box` class is a flex container with a column direction, a light gray background, and a width of 60%. The `.contact` class is a flex container with a light gray background, a font size of 15px, and a font weight of 100. The `.contact-box a` class is a link with a light gray background and a padding of 5px. The code is as follows:

```
91 .contact-box {
92   display: flex;
93   flex-direction: column;
94   background-color: #rgb(77, 77, 77);
95   width: 60%;
96   height: 40%;
97   padding: 10px 20px;
98   box-shadow: 0px 0px 10px #rgba(0, 0, 0, 0.1);
99   border-radius: 8px;
100  color: #ffffff;
101 }
102
103 .contact {
104   padding: 10px 20px;
105   background-color: #rgb(77, 77, 77);
106   /* box-shadow: 0px 0px 10px #rgba(0, 0, 0, 0.1); */
107   /* border-radius: 8px; */
108   color: #ffffff;
109   font-size: 15px;
110   font-weight: 100;
111 }
112
113 .contact-box a {
114   color: #ffffff;
115   padding: 5px;
116 }
117
118 .project {
119   display: flex;
```

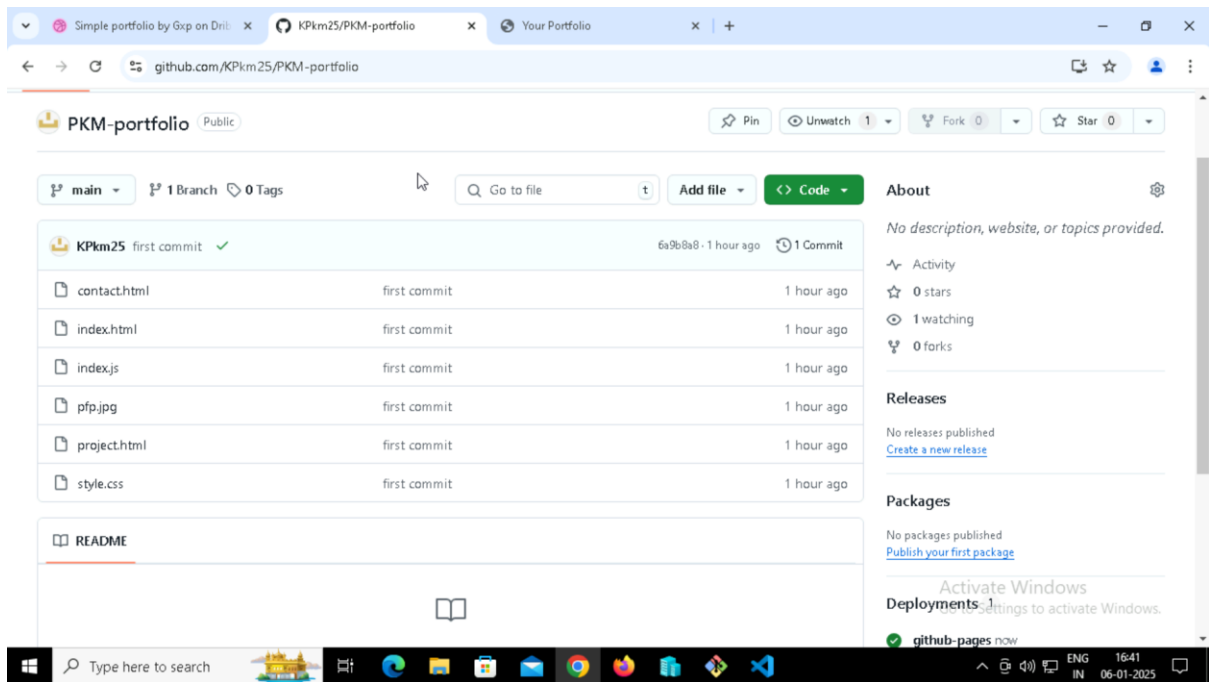
Step 6: Use Git to upload the code to the GitHub repository.



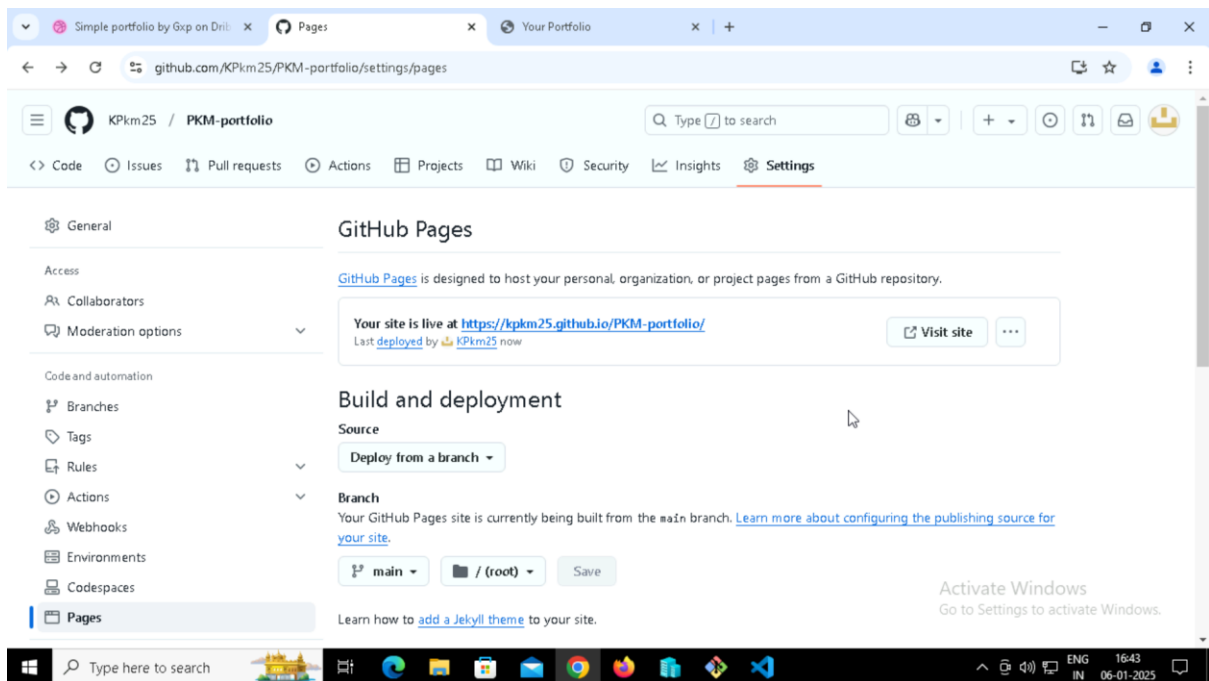
The screenshot shows the Visual Studio Code editor with a terminal window open at the bottom. The terminal displays the output of a series of Git commands executed in a PowerShell prompt. The commands and their output are as follows:

```
PS C:\Users\Administrator\Desktop\portfolio> git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/portfolio/.git/
PS C:\Users\Administrator\Desktop\portfolio> git add .
create mode 100644 contact.html
create mode 100644 index.html
create mode 100644 index.js
create mode 100644 pfp.jpg
create mode 100644 project.html
create mode 100644 style.css
PS C:\Users\Administrator\Desktop\portfolio> git branch -M main
PS C:\Users\Administrator\Desktop\portfolio> git remote add origin https://github.com/KPKm25/PKM-portfolio.git
PS C:\Users\Administrator\Desktop\portfolio> git push -u origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 100.66 KiB | 10.63 MiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/KPKm25/PKM-portfolio.git
 * [new branch]    main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\Administrator\Desktop\portfolio>
```

Step 7: The code is successfully uploaded to GitHub



## Step 8: Use GitHub pages to deploy the website



Step 9: The portfolio website is deployed and available for people to visit.

