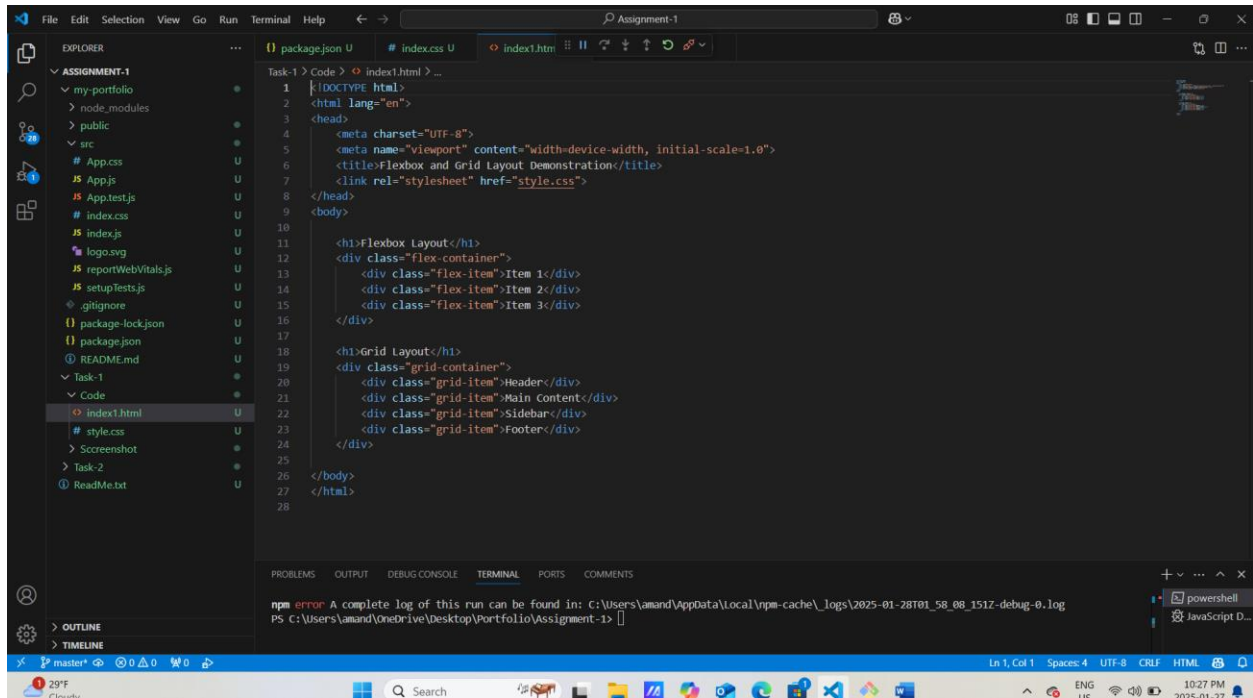


## Task 1:

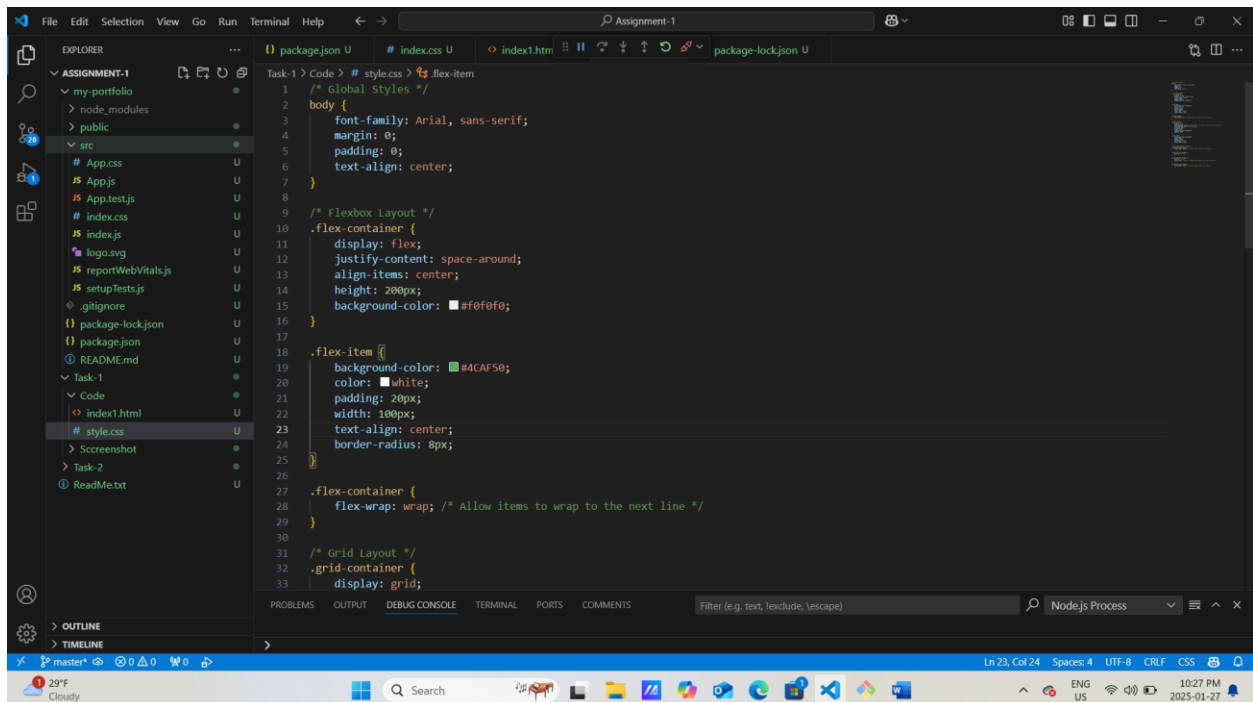
demonstrate your mastery over the flexbox and grid layout method properties.  
Demonstrate as many properties as possible

Code:



```
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>Flexbox and Grid Layout Demonstration</title>
7   <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10
11   <h1>Flexbox Layout</h1>
12   <div class="flex-container">
13     <div class="flex-item">Item 1</div>
14     <div class="flex-item">Item 2</div>
15     <div class="flex-item">Item 3</div>
16   </div>
17
18   <h1>Grid Layout</h1>
19   <div class="grid-container">
20     <div class="grid-item">Header</div>
21     <div class="grid-item">Main Content</div>
22     <div class="grid-item">Sidebar</div>
23     <div class="grid-item">Footer</div>
24   </div>
25
26 </body>
27 </html>
28
```

npm error A complete log of this run can be found in: C:\Users\amand\AppData\Local\npm-cache\\_logs\2025-01-28T01\_58\_08\_151Z-debug-0.log  
PS C:\Users\amand\OneDrive\Desktop\Portfolio\Assignment-1>

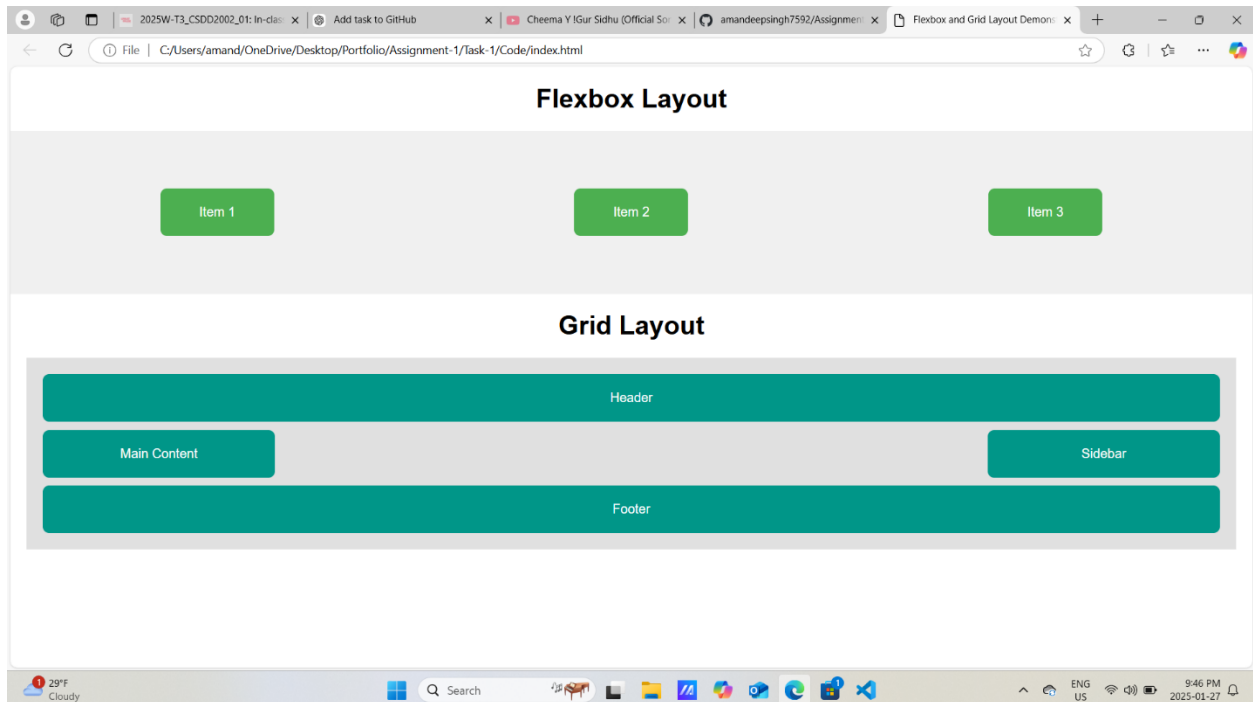


```
1 /* Global Styles */
2 body {
3   font-family: Arial, sans-serif;
4   margin: 0;
5   padding: 0;
6   text-align: center;
7 }
8
9 /* Flexbox Layout */
10 .flex-container {
11   display: flex;
12   justify-content: space-around;
13   align-items: center;
14   height: 200px;
15   background-color: #f0f0f0;
16 }
17
18 .flex-item {
19   background-color: #4CAF50;
20   color: white;
21   padding: 20px;
22   width: 100px;
23   text-align: center;
24   border-radius: 8px;
25 }
26
27 .flex-container {
28   flex-wrap: wrap; /* Allow items to wrap to the next line */
29 }
30
31 /* Grid Layout */
32 .grid-container {
33   display: grid;
34 }
```

The screenshot shows the VS Code editor with the following CSS code in the `style.css` file:

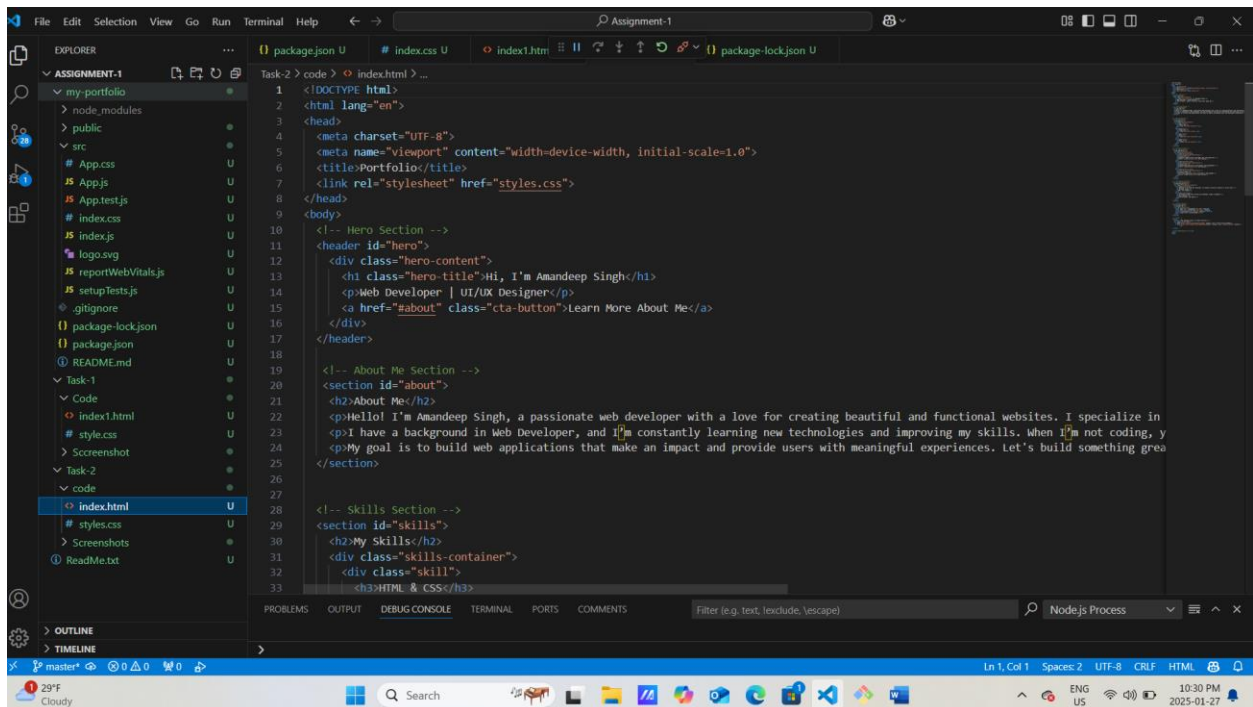
```
Task-1 > Code > # style.css > flex-item
32 .grid-container {
33   grid-gap: 10px;
34   margin: 20px;
35   background-color: #e0e0e0;
36   padding: 20px;
37 }
38
39 .grid-item {
40   background-color: #009688;
41   color: white;
42   padding: 20px;
43   text-align: center;
44   border-radius: 8px;
45 }
46
47 /* Grid Item Specific Layouts */
48 .grid-item:nth-child(1) {
49   grid-column: span 3; /* Header spans across all columns */
50 }
51
52 .grid-item:nth-child(2) {
53   grid-row: 2 / 3;
54 }
55
56 .grid-item:nth-child(3) {
57   grid-row: 2 / 3;
58   grid-column: 3 / 4; /* Sidebar positioned at the third column */
59 }
60
61 .grid-item:nth-child(4) {
62   grid-column: span 3; /* Footer spans across all columns */
63 }
64
65
66
67
```

Output:



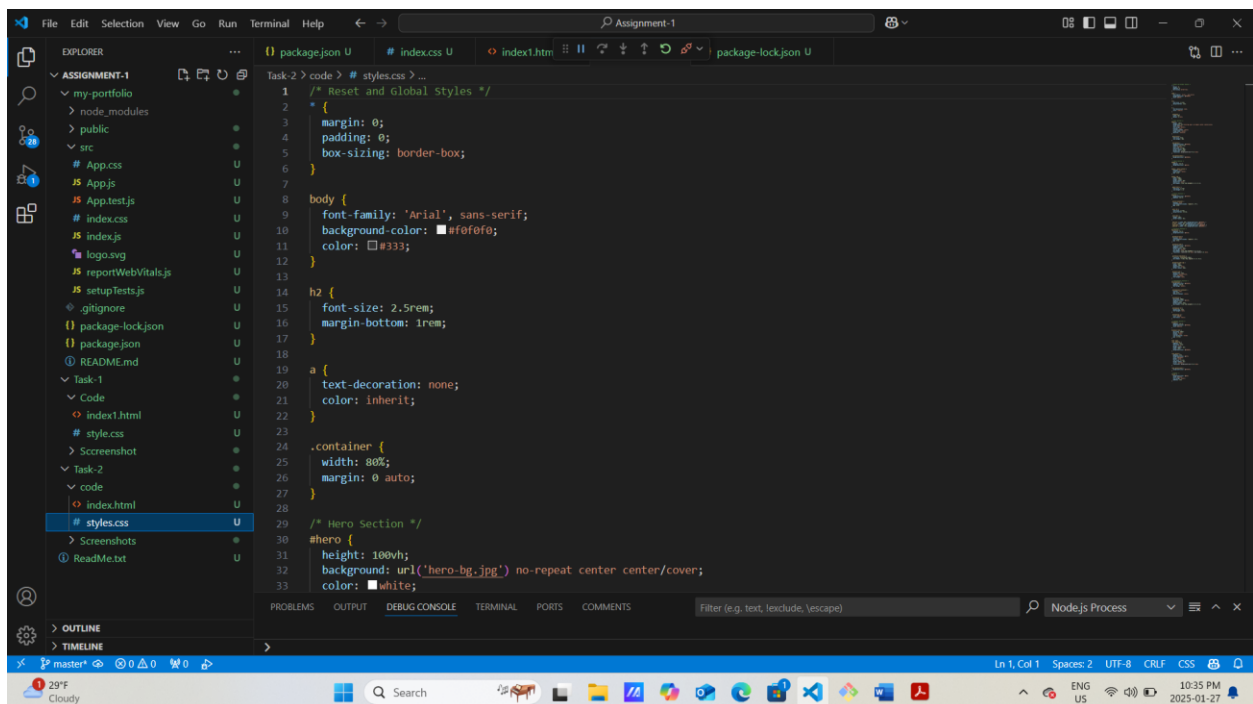
Task 2:

demonstrate your skill using flexbox layout method and grid layout method -  
build a personal portfolio website.



The screenshot shows the VS Code editor with the 'index.html' file open. The Explorer panel on the left shows the project structure for 'my-portfolio', including 'public' and 'src' folders, and files like 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', 'logo.svg', 'reportWebVitals.js', 'setupTests.js', '.gitignore', 'package-lock.json', 'package.json', 'README.md', 'Task-1', 'Task-2', 'code', 'index.html', 'style.css', 'Screenshots', and 'ReadMe.txt'. The main editor area displays the HTML code for 'index.html', which includes a header section, an about section, and a skills section. The code is as follows:

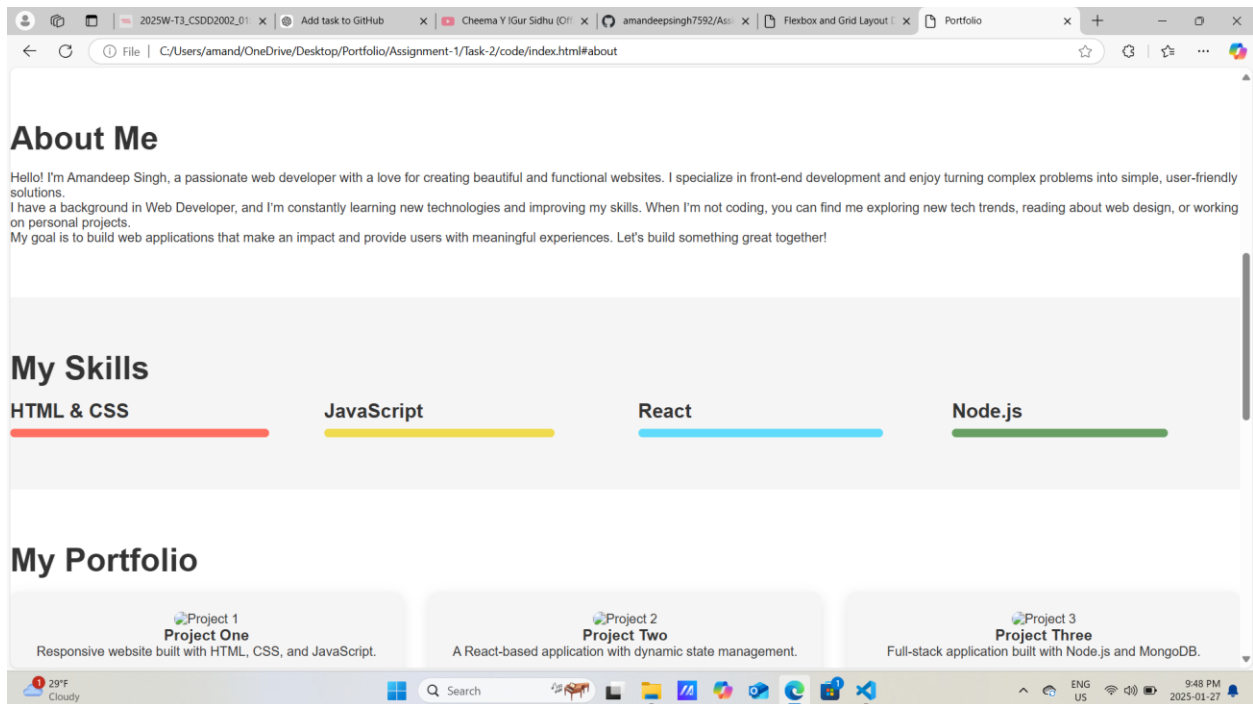
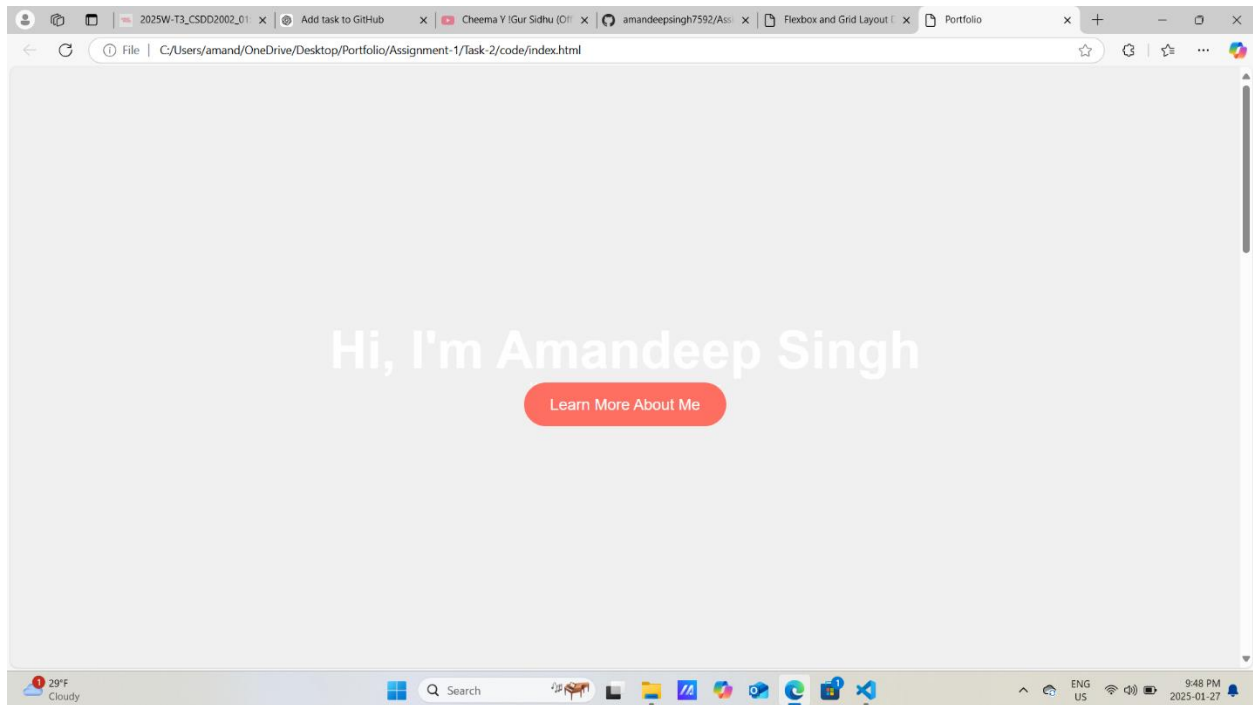
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Portfolio</title>
7   <link rel="stylesheet" href="styles.css">
8 </head>
9 <body>
10   <!-- Hero Section -->
11   <header id="hero">
12     <div class="hero-content">
13       <h1 class="hero-title">Hi, I'm Amandeep Singh</h1>
14       <p>Web Developer | UI/UX Designer</p>
15       <a href="#about" class="cta-button">Learn More About Me</a>
16     </div>
17   </header>
18
19   <!-- About Me Section -->
20   <section id="about">
21     <h2>About Me</h2>
22     <p>Hello! I'm Amandeep Singh, a passionate web developer with a love for creating beautiful and functional websites. I specialize in
23     <p>I have a background in Web Developer, and I'm constantly learning new technologies and improving my skills. When I'm not coding, y
24     <p>My goal is to build web applications that make an impact and provide users with meaningful experiences. Let's build something grea
25   </section>
26
27   <!-- Skills Section -->
28   <section id="skills">
29     <h2>My Skills</h2>
30     <div class="skills-container">
31       <div class="skill1">
32       </div>
33     </div>
34   </section>
35 </body>
36 </html>
```

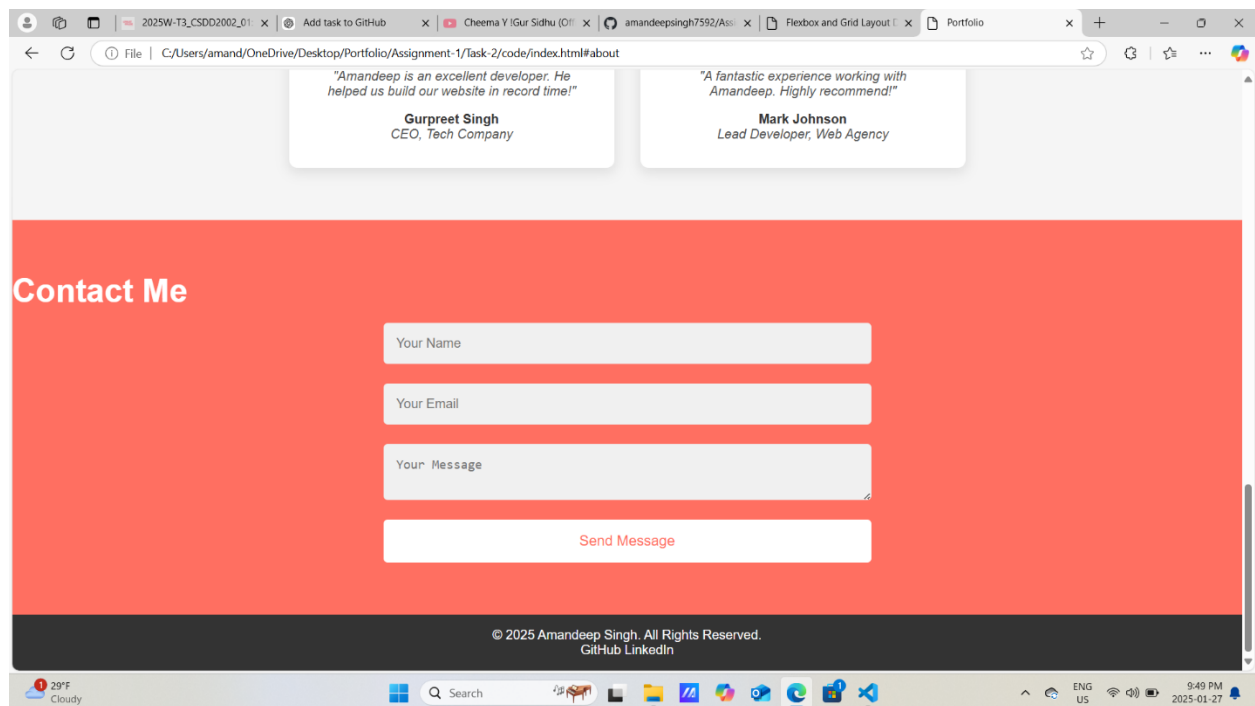
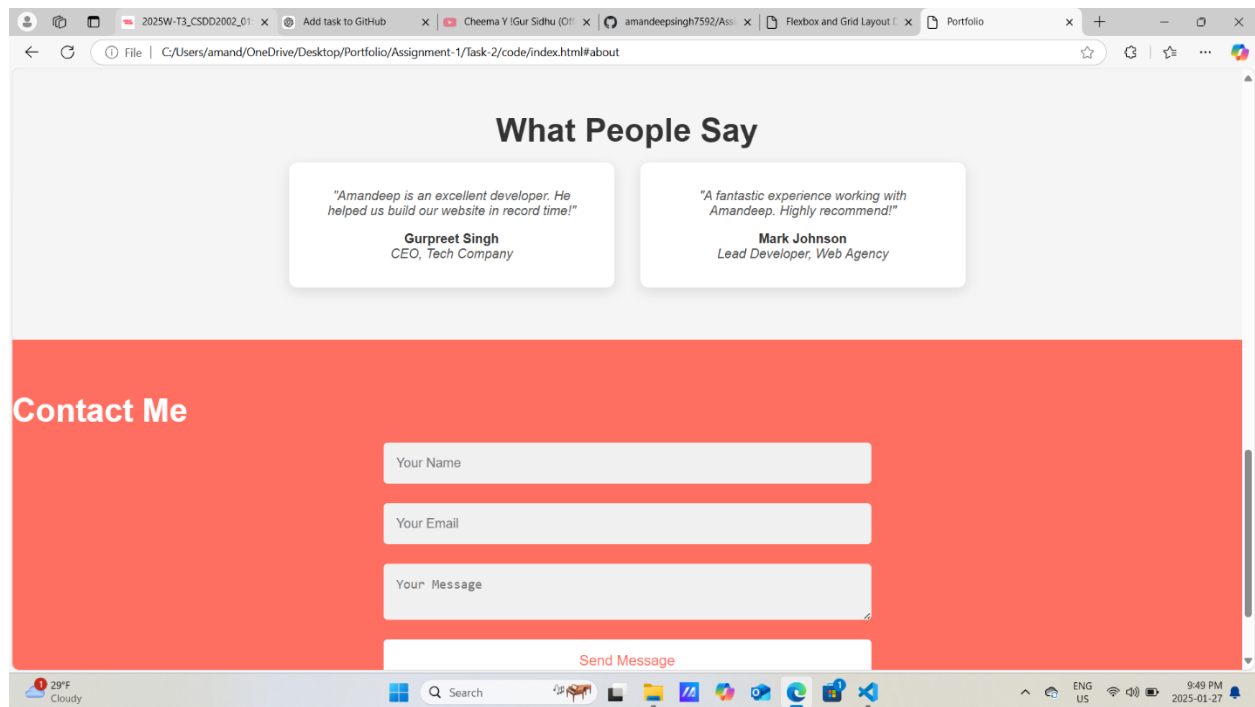


The screenshot shows the VS Code editor with the 'styles.css' file open. The Explorer panel on the left shows the project structure for 'my-portfolio', including 'public' and 'src' folders, and files like 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', 'logo.svg', 'reportWebVitals.js', 'setupTests.js', '.gitignore', 'package-lock.json', 'package.json', 'README.md', 'Task-1', 'Task-2', 'code', 'index.html', 'style.css', 'Screenshots', and 'ReadMe.txt'. The main editor area displays the CSS code for 'styles.css', which includes a reset and global styles section, a body section, a hero section, and a skills section. The code is as follows:

```
1 /* Reset and Global Styles */
2 *
3 margin: 0;
4 padding: 0;
5 box-sizing: border-box;
6
7 body {
8   font-family: 'Arial', sans-serif;
9   background-color: #f0f0f0;
10   color: #333;
11 }
12
13 h2 {
14   font-size: 2.5rem;
15   margin-bottom: 1rem;
16 }
17
18 a {
19   text-decoration: none;
20   color: inherit;
21 }
22
23 .container {
24   width: 80%;
25   margin: 0 auto;
26 }
27
28 /* Hero Section */
29 #hero {
30   height: 100vh;
31   background: url('hero-bg.jpg') no-repeat center center/cover;
32   color: white;
33 }
```

Output:

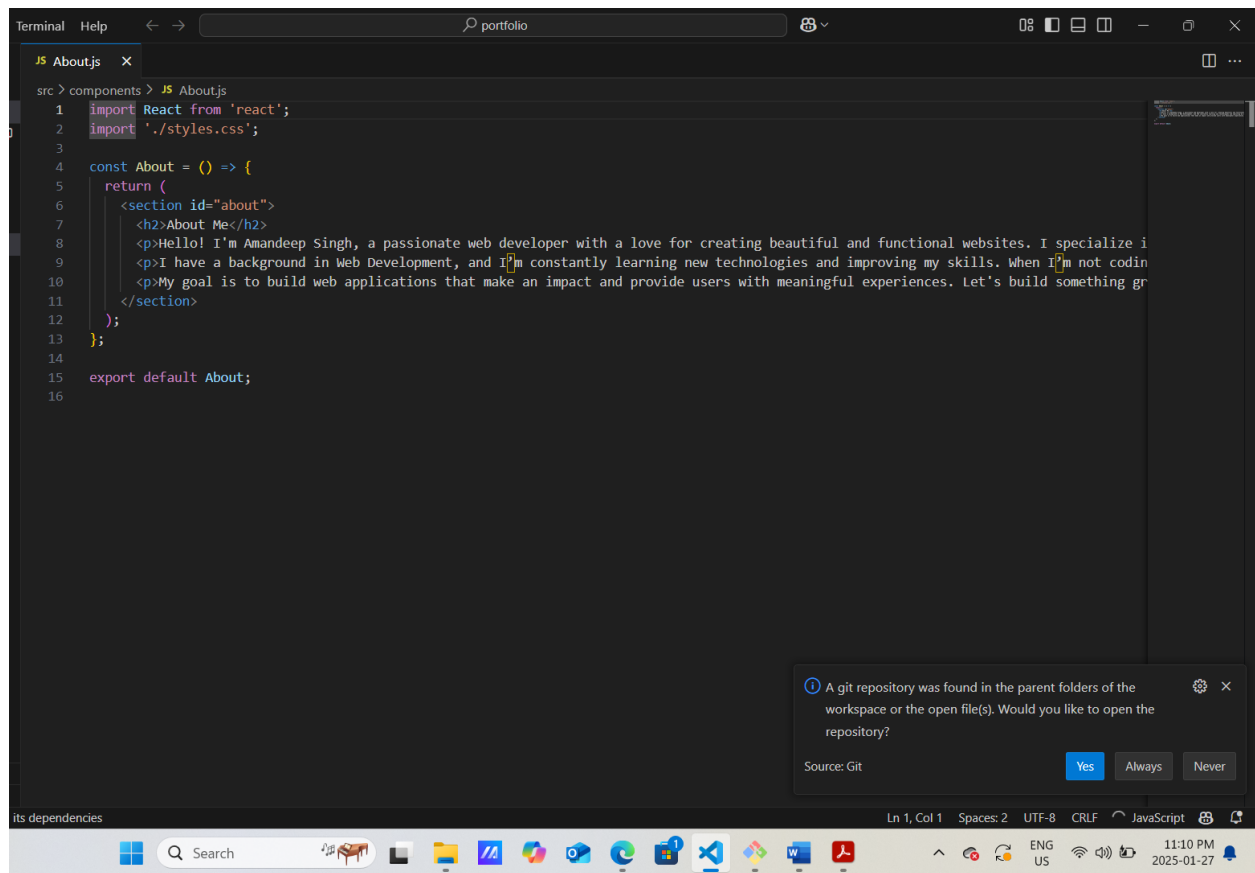




**Task3:**

**migrate your flexbox layout and grid layout portfolio website to react**

**About.js:**



**Contact.js:**

```
terminal Help  ← →  portfolio  08  [Icons]  ×

JS About.js  JS Contact.js  ×

src > components > JS Contact.js > [0] default
1  import React from 'react';
2  import './styles.css';
3
4  const Contact = () => {
5    return (
6      <section id="contact">
7        <h2>Contact Me</h2>
8        <form id="contact-form">
9          <input type="text" placeholder="Your Name" required />
10         <input type="email" placeholder="Your Email" required />
11         <textarea placeholder="Your Message" required</textarea>
12         <button type="submit">Send Message</button>
13       </form>
14     </section>
15   );
16 };
17
18 export default Contact;
19

Ln 18, Col 24  Spaces: 2  UTF-8  CRLF  ( ) JavaScript  [Icons]

[Taskbar Icons]  Search  [Icons]  ^  [Icons]  ENG US  11:11 PM 2025-01-27  [Icons]
```

Header.js:

```
terminal Help  ← →  portfolio  08  [Icons]  ×

JS About.js  JS Contact.js  JS Header.js  ×

src > components > JS Header.js > ...
1  import React from 'react';
2  import './styles.css';
3
4  const Header = () => {
5    return (
6      <header id="hero">
7        <div className="hero-content">
8          <h1 className="hero-title">Hi, I'm Amandeep Singh</h1>
9          <p>Web Developer | UI/UX Designer</p>
10         <a href="#about" className="cta-button">Learn More About Me</a>
11       </div>
12     </header>
13   );
14 };
15
16 export default Header;
17

Ln 1, Col 1  Spaces: 2  UTF-8  CRLF  {} JavaScript  [Icons]
```

Windows taskbar: Search, [Icons], ENG US, 11:11 PM, 2025-01-27

**Portfolio.js:**



```
Terminal Help  ← →  portfolio  [Icons]

JS About.js  JS Contact.js  JS Portfolio.js X

src > components > JS Portfolio.js > ...
1  import React from 'react';
2  import './styles.css';
3
4  const Portfolio = () => {
5    return (
6      <section id="portfolio">
7        <h2>My Portfolio</h2>
8        <div className="portfolio-grid">
9          <div className="portfolio-item">
10             
11             <h3>Project One</h3>
12             <p>Responsive website built with HTML, CSS, and JavaScript.</p>
13             <a href="#" className="project-link">View Project</a>
14           </div>
15           <div className="portfolio-item">
16             
17             <h3>Project Two</h3>
18             <p>A React-based application with dynamic state management.</p>
19             <a href="#" className="project-link">View Project</a>
20           </div>
21           <div className="portfolio-item">
22             
23             <h3>Project Three</h3>
24             <p>Full-stack application built with Node.js and MongoDB.</p>
25             <a href="#" className="project-link">View Project</a>
26           </div>
27         </div>
28       </section>
29     );
30   };
31
32   export default Portfolio;
33
```

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript [Icons]

Search [Icons] ENG US 11:11 PM 2025-01-27 [Icons]

**Skills.js:**

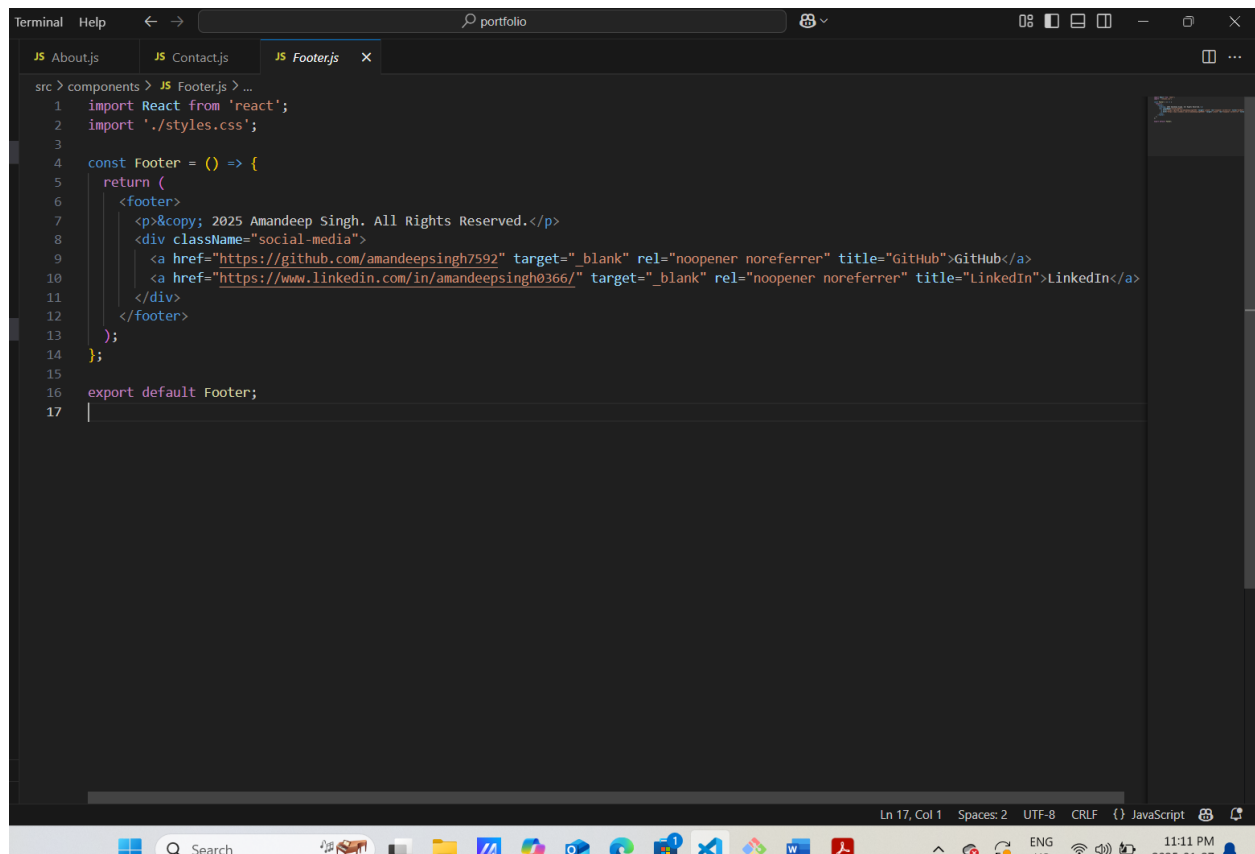
```
Terminal  Help  < ->  portfolio  08  [Icons]  -  [Icons]  X
JS About.js  JS Contact.js  JS Skills.js  X
src > components > JS Skills.js > ...
1  import React from 'react';
2  import './styles.css';
3
4  const Skills = () => {
5    return (
6      <section id="skills">
7        <h2>My Skills</h2>
8        <div className="skills-container">
9          <div className="skill">
10            <h3>HTML & CSS</h3>
11            <div className="skill-bar html-bar"></div>
12          </div>
13          <div className="skill">
14            <h3>JavaScript</h3>
15            <div className="skill-bar js-bar"></div>
16          </div>
17          <div className="skill">
18            <h3>React</h3>
19            <div className="skill-bar react-bar"></div>
20          </div>
21          <div className="skill">
22            <h3>Node.js</h3>
23            <div className="skill-bar node-bar"></div>
24          </div>
25        </div>
26      </section>
27    );
28  };
29
30  export default Skills;
31
```

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript [Icons]

Search [Icons] ENG US 11:11 PM 2025-01-27

**Testimonials.js:**





```
Terminal  Help  <  >  portfolio  [Icons]  [Close]

JS About.js  JS Contact.js  JS Footer.js  X

src > components > JS Footer.js > ...
1  import React from 'react';
2  import './styles.css';
3
4  const Footer = () => {
5    return (
6      <footer>
7        <p>&copy; 2025 Amandeep Singh. All Rights Reserved.</p>
8        <div className="social-media">
9          <a href="https://github.com/amandeepsingh7592" target="_blank" rel="noopener noreferrer" title="GitHub">GitHub</a>
10         <a href="https://www.linkedin.com/in/amandeepsingh0366/" target="_blank" rel="noopener noreferrer" title="LinkedIn">LinkedIn</a>
11        </div>
12      </footer>
13    );
14  };
15
16  export default Footer;
17
```

Ln 17, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript [Icons]

**Output:**

The screenshot shows a Visual Studio Code editor with a React project. The Explorer sidebar on the left shows the file structure with folders like 'public' and 'src'. The main editor displays the 'package.json' file with the following content:

```
{
  "private": true,
  "dependencies": {
    "cra-template": "1.2.0",
    "react": "^19.0.0",
    "react-dom": "^19.0.0",
    "react-scripts": "5.0.1"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  },
  "eslintconfig": {
    "extends": [
      "react-app",
      "react-app/jest"
    ]
  },
  "browserslist": {
    "production": [
      ">0.2%",
      "not dead",
      "not op_mini all"
    ],
    "development": [
      "last 1 chrome version",
      "last 1 firefox version",
      "last 1 safari version"
    ]
  }
}
```

The terminal at the bottom shows the command 'npm start' being executed. The output indicates that the development server is starting successfully and provides the URL 'http://localhost:3000'.

```
PS C:\Users\amand\OneDrive\Desktop\Portfolio project\react> npm start
Starting the development server...

One of your dependencies, babel-preset-react-app, is importing the
compiled successfully!

You can now view portfolio in the browser.

Local:      http://localhost:3000
On Your Network: http://10.111.75.122:3000

Note that the development build is not optimized.
```

a. if you are not able to complete anything in part 3, then please bring questions instead.

The screenshot shows the same Visual Studio Code editor with the 'package.json' file. The terminal at the bottom shows the command 'npm start' being executed, but it fails with an error. The output indicates that the development server is not starting successfully and provides the URL 'http://localhost:3000'.

```
PS C:\Users\amand\OneDrive\Desktop\Portfolio project\react> npm start
npm error
npm error Did you mean one of these?
npm error   npm star # Mark your favorite packages
npm error   npm stars # View packages marked as favorites
npm error
npm error To see a list of scripts, run:
npm error   npm run
npm error A complete log of this run can be found in: C:\Users\amand\AppData\Local\npm-cache\_logs\2025-01-21T16_42_50_651Z-debug-0.log
```

b. questions will count towards marks.

