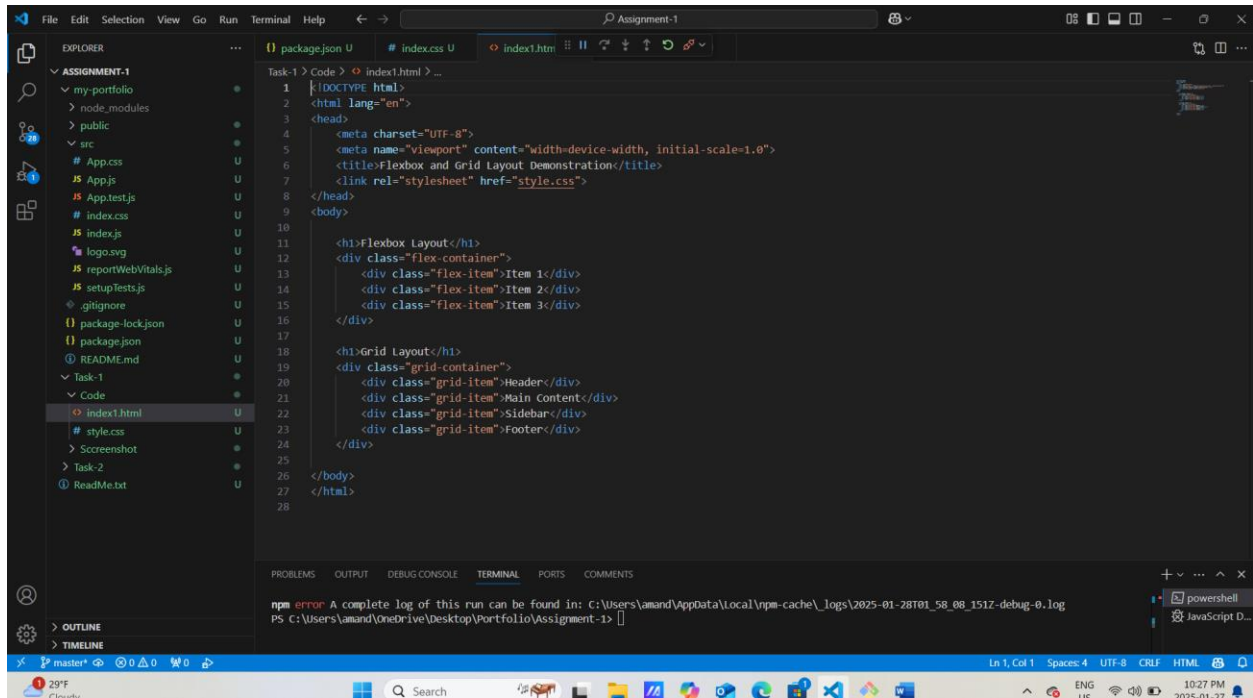


## Task 1:

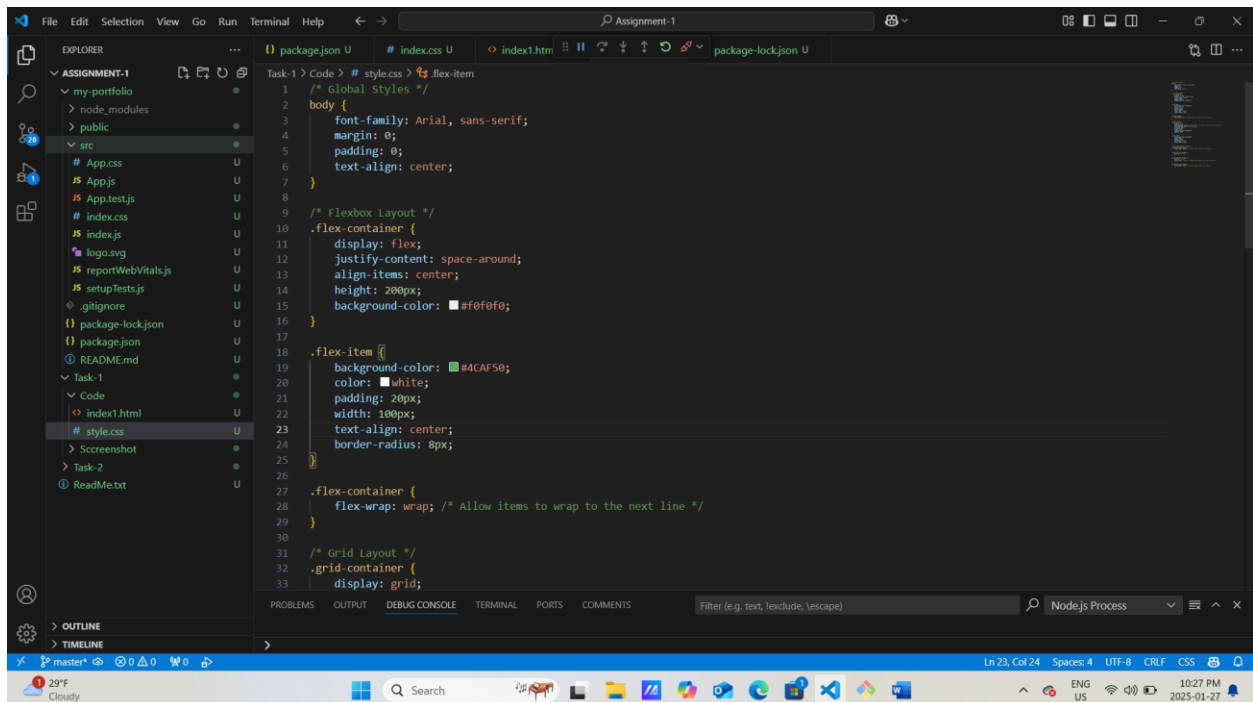
demonstrate your mastery over the flexbox and grid layout method properties.  
Demonstrate as many properties as possible

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>

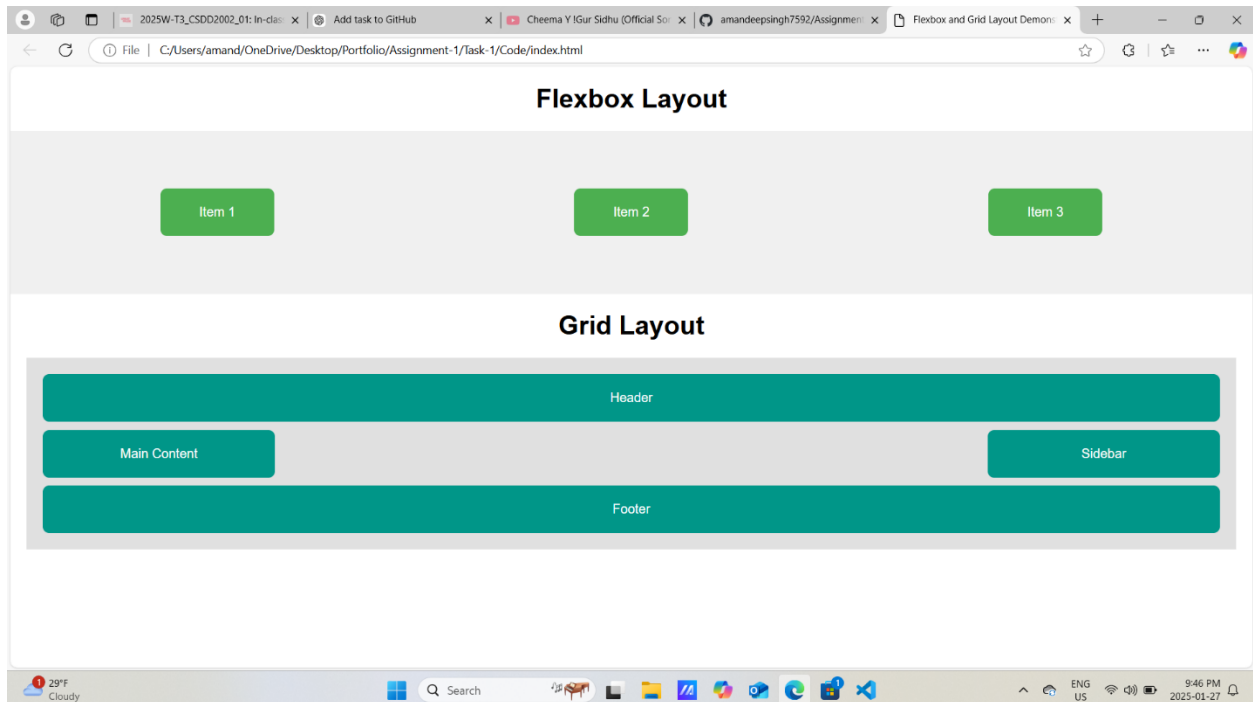


```
1 /* Global Styles */
2 body {
3   font-family: Arial, sans-serif;
4   margin: 0;
5   padding: 0;
6   text-align: center;
7 }
8
9 /* Flexbox Layout */
10 .flex-container {
11   display: flex;
12   justify-content: space-around;
13   align-items: center;
14   height: 200px;
15   background-color: #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:

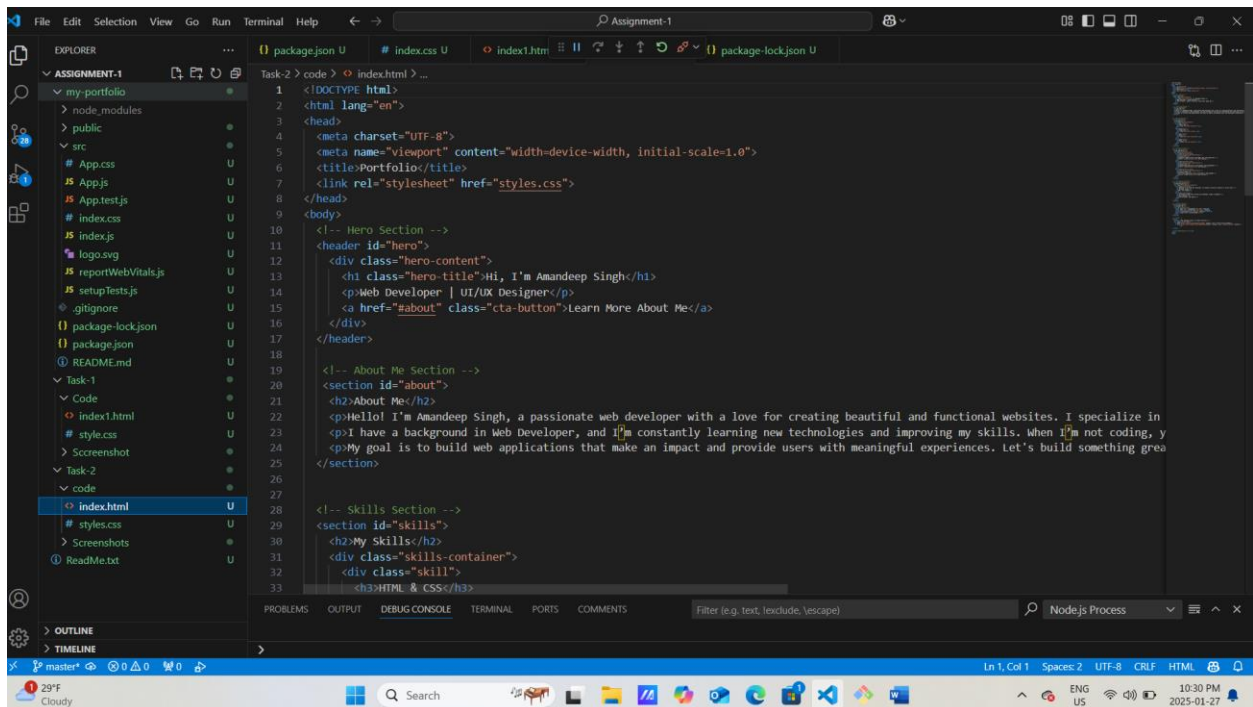
```
Task-1 > Code > # style.css > flex-item
32 .grid-container {
33   grid-gap: 10px;
34   margin: 20px;
35   background-color: #e0e0e0;
36   padding: 20px;
37 }
38
39 .grid-item {
40   background-color: #009688;
41   color: white;
42   padding: 20px;
43   text-align: center;
44   border-radius: 8px;
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:

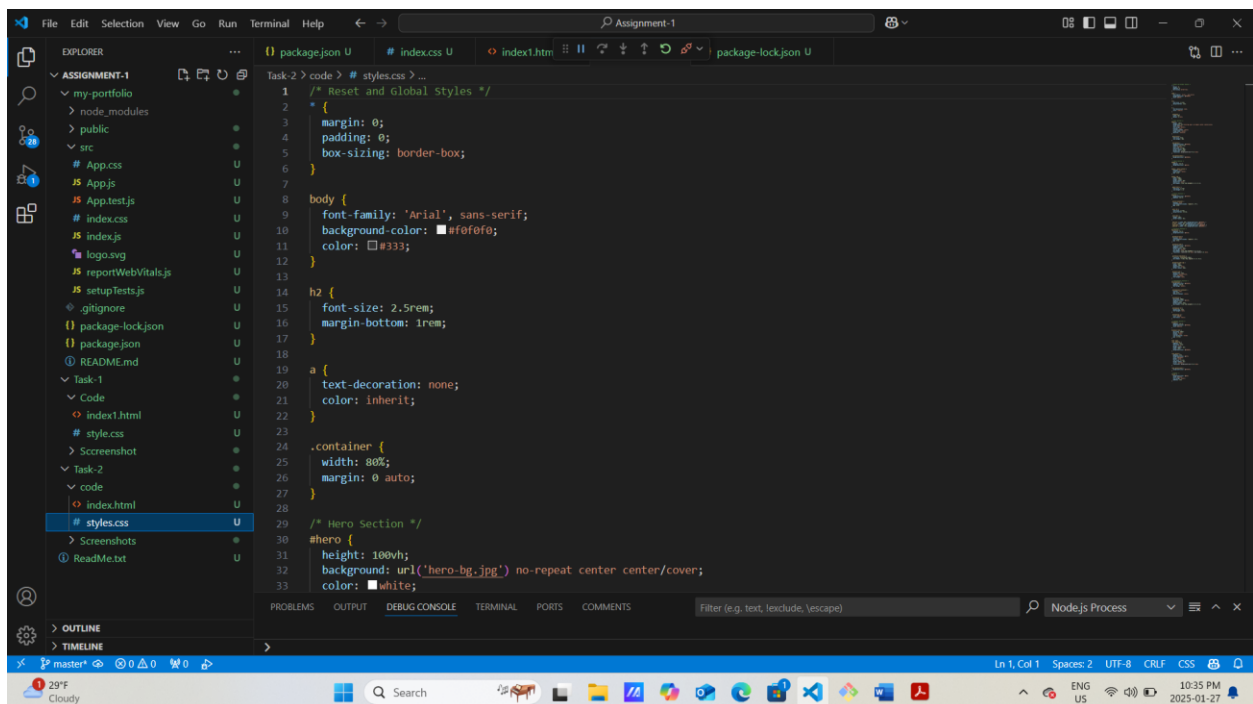


Task 2:

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



```
Task-2 > code > index.html > ...
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
33     </div>
34   </section>
```



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

Output:

