Web Technology
Lab Assignment - 1

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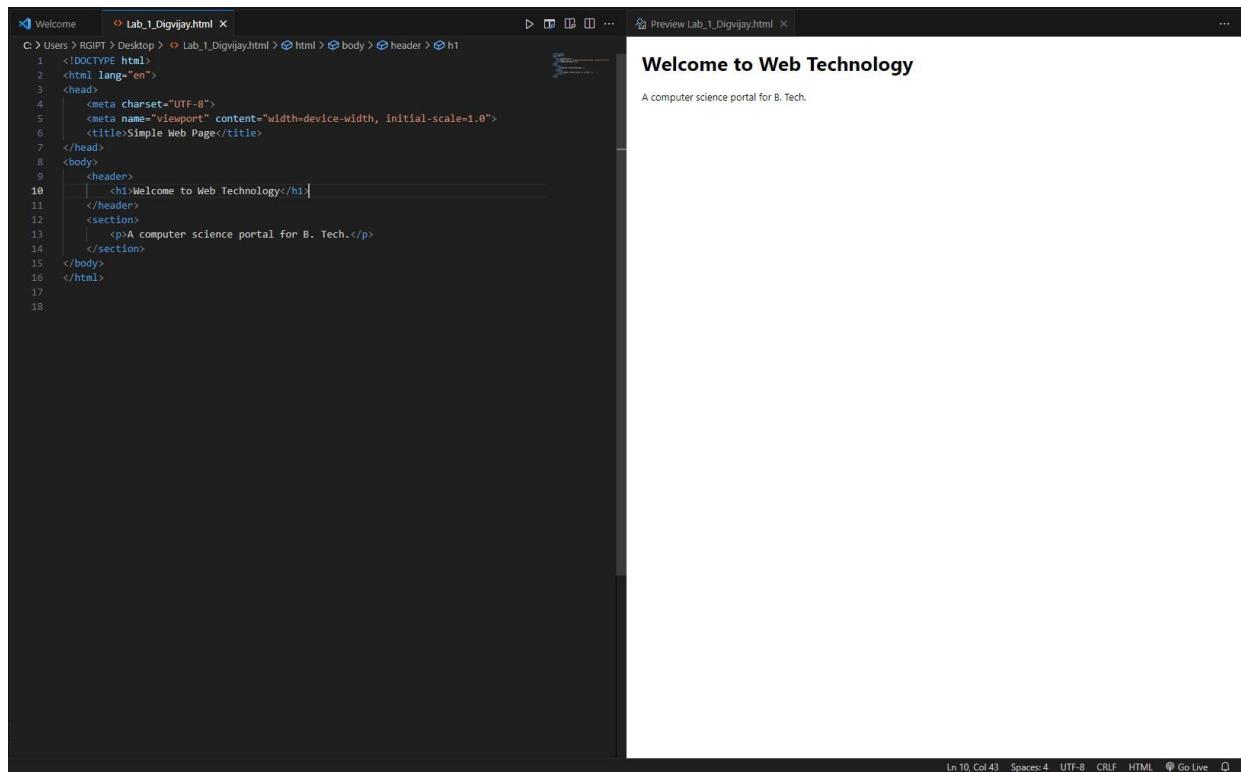
Simple HTML elements:

T1. Design a web page that has the following content

Title: Simple Web Page
Heading: Welcome to Web Technology
Paragraph: A computer science portal for B. Tech.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <p>A computer science portal for B. Tech.</p>
    </section>

</body>
</html>
```

C: > Users > RGIPT > Desktop > <> Lab_1_Digvijay.html > ⬦ html > ⬦ body > ⬦ header > ⬦ h1

```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>Simple Web Page</title>
7   </head>
8   <body>
9       <header>
10          <h1>Welcome to Web Technology</h1>
11      </header>
12      <section>
13          <p>A computer science portal for B. Tech.</p>
14      </section>
15  </body>
16  </html>
17
18
```

Welcome to Web Technology

A computer science portal for B. Tech.

Welcome to Web Technology

A computer science portal for B. Tech.

T2. For task T1, try with 7 different levels of heading.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
        <h2>Welcome to Web Technology</h2>
        <h3>Welcome to Web Technology</h3>
        <h4>Welcome to Web Technology</h4>
        <h5>Welcome to Web Technology</h5>
        <h6>Welcome to Web Technology</h6>
        <h7>Welcome to Web Technology</h7>
    </header>
    <section>
        <p>A computer science portal for B. Tech.</p>
    </section>

</body>
</html>
```

```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>Simple Web Page</title>
7   </head>
8   <body>
9       <header>
10          <h1>Welcome to Web Technology</h1>
11          <h2>Welcome to Web Technology</h2>
12          <h3>Welcome to Web Technology</h3>
13          <h4>Welcome to Web Technology</h4>
14          <h5>Welcome to Web Technology</h5>
15          <h6>Welcome to Web Technology</h6>
16          <h7>Welcome to Web Technology</h7>
17      </header>
18      <section>
19          <p>A computer science portal for B. Tech.</p>
20      </section>
21
22  </body>
23  </html>
24
25
```

Welcome to Web Technology

Welcome to Web Technology

Welcome to Web Technology

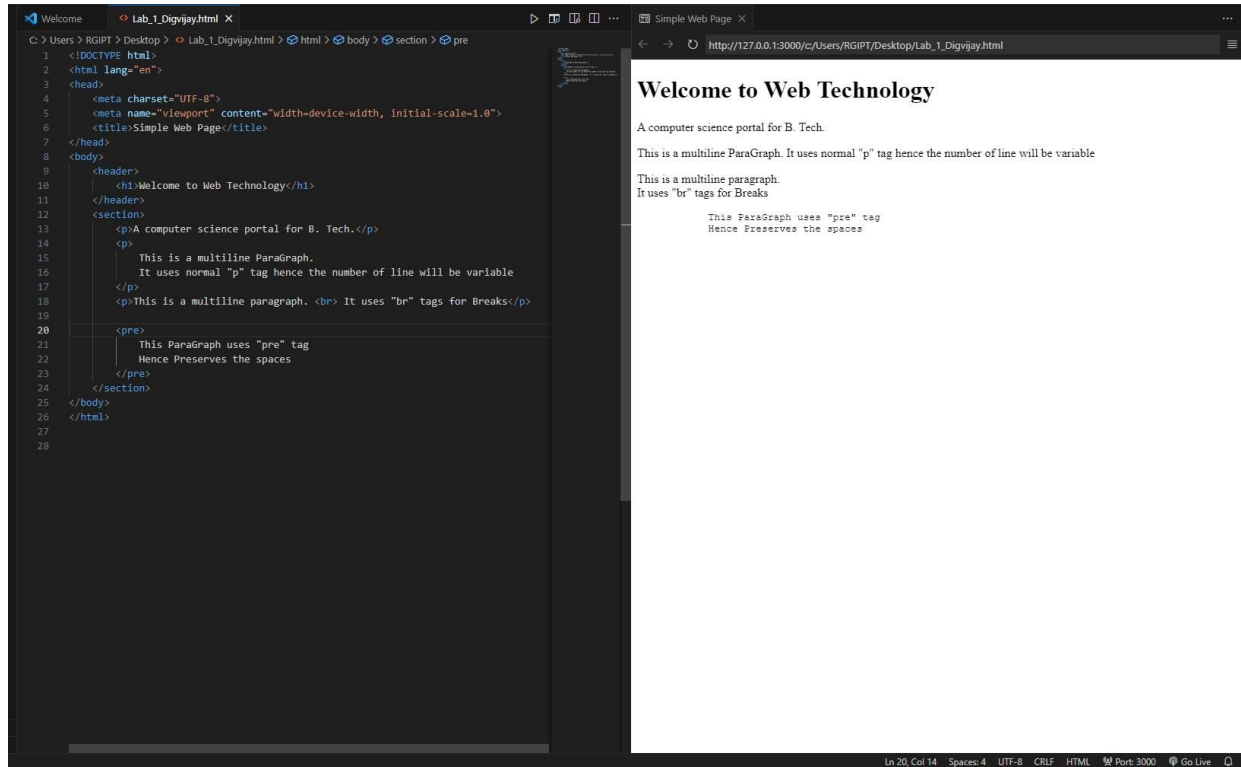#### Welcome to Web Technology

Welcome to Web Technology

Welcome to Web Technology

Welcome to Web Technology

A computer science portal for B. Tech.

T3. Create a html document with multiple paragraphs within the body. The content should be multiline for at least one of the paragraphs.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <p>A computer science portal for B. Tech.</p>
        <p>
            This is a multiline ParaGraph.
            It uses normal "p" tag hence the number of line will be
variable
        </p>
        <p>This is a multiline paragraph. <br> It uses "br" tags for
Breaks</p>

        <pre>
            This ParaGraph uses "pre" tag
            Hence Preserves the spaces
        </pre>
    </section>
</body>
</html>
```

```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>Simple Web Page</title>
7   </head>
8   <body>
9       <header>
10          <h1>Welcome to Web Technology</h1>
11      </header>
12      <section>
13          <p>A computer science portal for B. Tech.</p>
14          <p>
15              This is a multiline ParaGraph.
16              It uses normal "p" tag hence the number of line will be variable
17          </p>
18          <p>This is a multiline paragraph. <br> It uses "br" tags for Breaks</p>
19
20          <pre>
21              This ParaGraph uses "pre" tag
22              Hence Preserves the spaces
23          </pre>
24      </section>
25  </body>
26  </html>
27
28
```

Welcome to Web Technology

A computer science portal for B. Tech.

This is a multiline ParaGraph. It uses normal "p" tag hence the number of line will be variable

This is a multiline paragraph.
It uses "br" tags for Breaks

```
        This ParaGraph uses "pre" tag
        Hence Preserves the spaces
```

Nested HTML elements:

T4. Nest one paragraph within another.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <p>Main paragraph.
            <p>Nested paragraph.</p>
            <p>A second nested paragraph.</p>
        </p>
        <p>Another main paragraph.</p>
    </section>
</body>
</html>
```
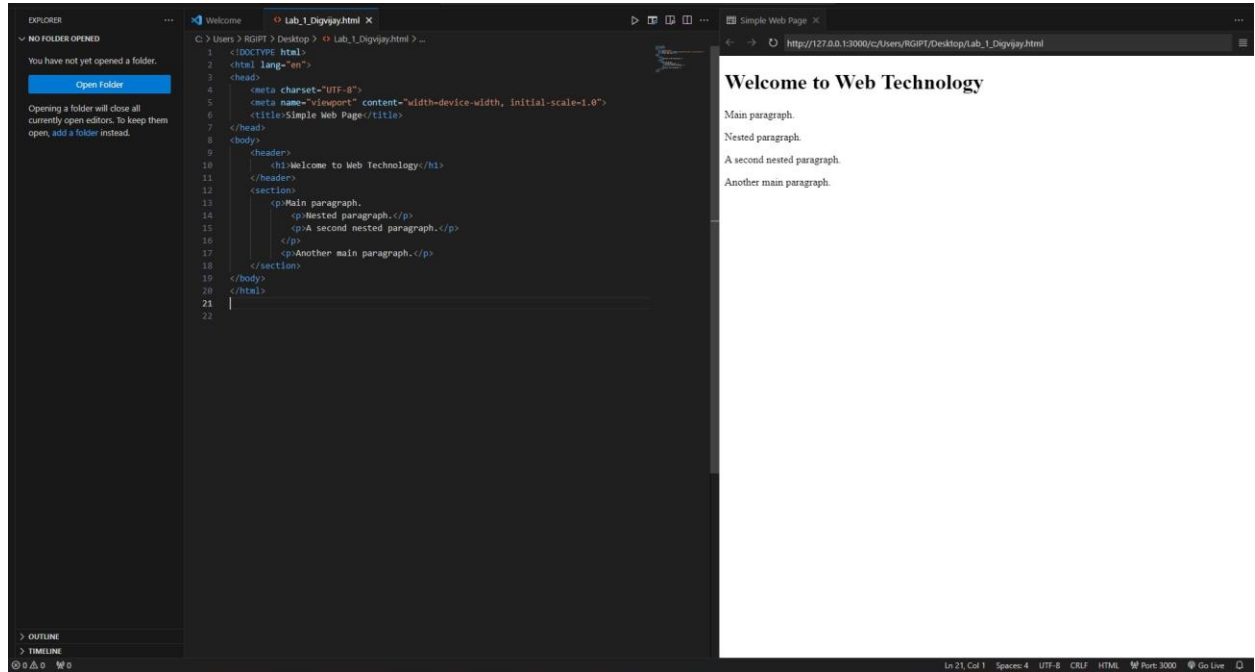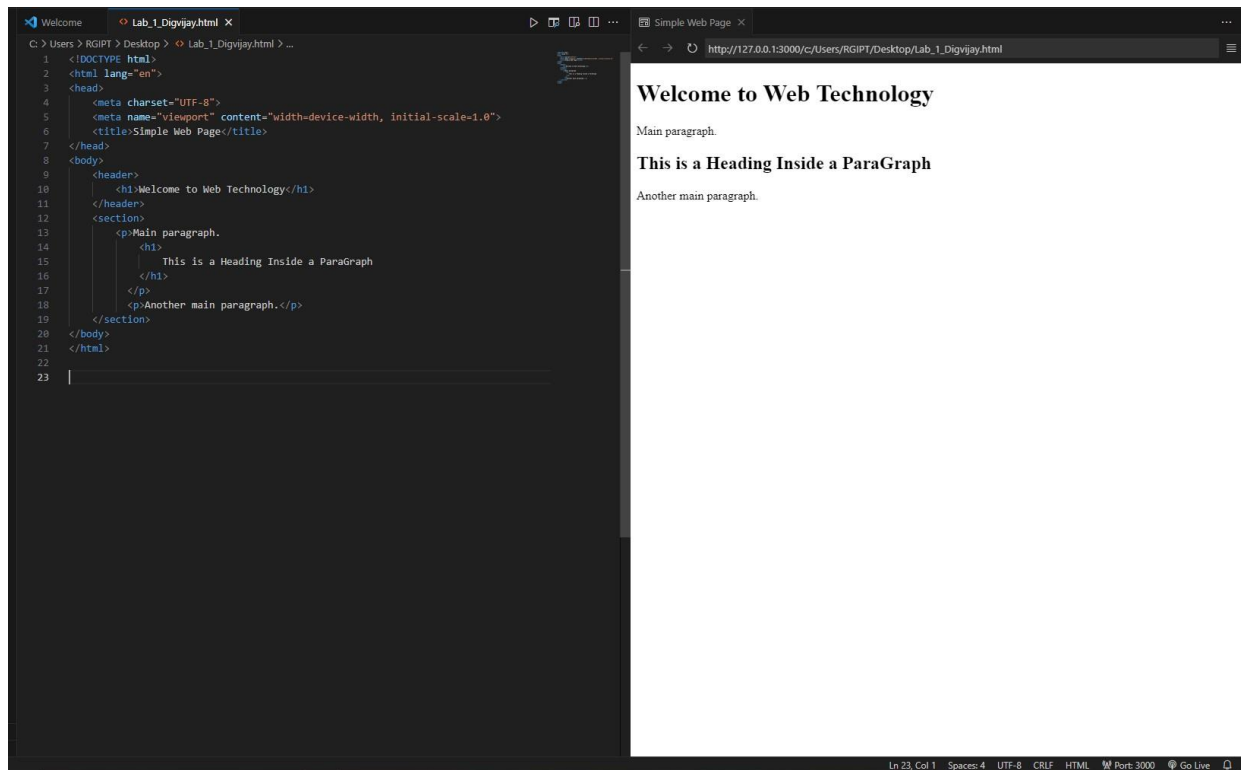
```
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Simple Web Page</title>
7    </head>
8    <body>
9        <header>
10           <h1>Welcome to Web Technology</h1>
11       </header>
12       <section>
13           <p>Main paragraph.
14               <p>Nested paragraph.</p>
15               <p>A second nested paragraph.</p>
16           </p>
17               <p>Another main paragraph.</p>
18       </section>
19   </body>
20   </html>
21   |
22
```

Welcome to Web Technology

Main paragraph.

Nested paragraph.

A second nested paragraph.

Another main paragraph.

T5. Nest a heading within a paragraph.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <p>Main paragraph.
            <h1>
                This is a Heading Inside a ParaGraph
            </h1>
        </p>
        <p>Another main paragraph.</p>
    </section>
</body>
</html>
```
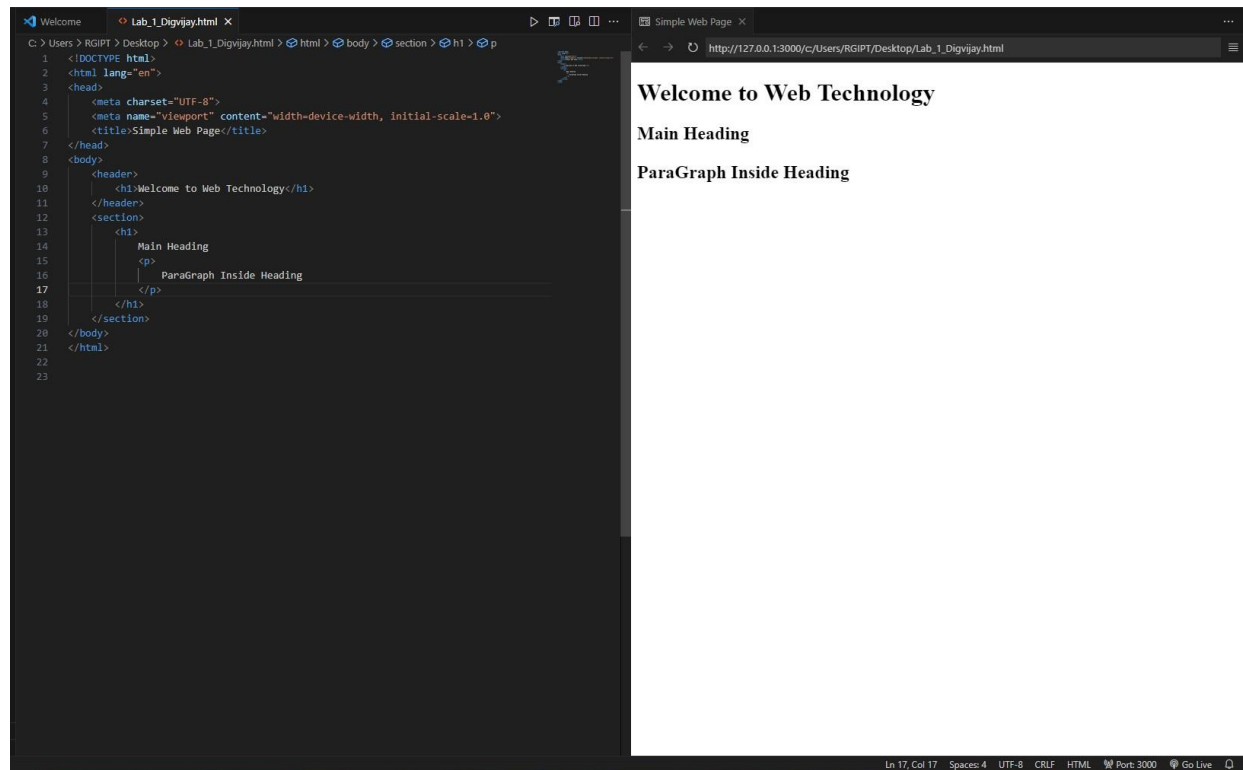
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <p>Main paragraph.
            <h1>
                This is a Heading Inside a ParaGraph
            </h1>
        </p>
        <p>Another main paragraph.</p>
    </section>
</body>
</html>
```

Welcome to Web Technology

Main paragraph.

This is a Heading Inside a ParaGraph

Another main paragraph.

T6. Nest a paragraph within a heading.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <h1>
            Main Heading
            <p>
                ParaGraph Inside Heading
            </p>
        </h1>
    </section>
</body>
</html>
```
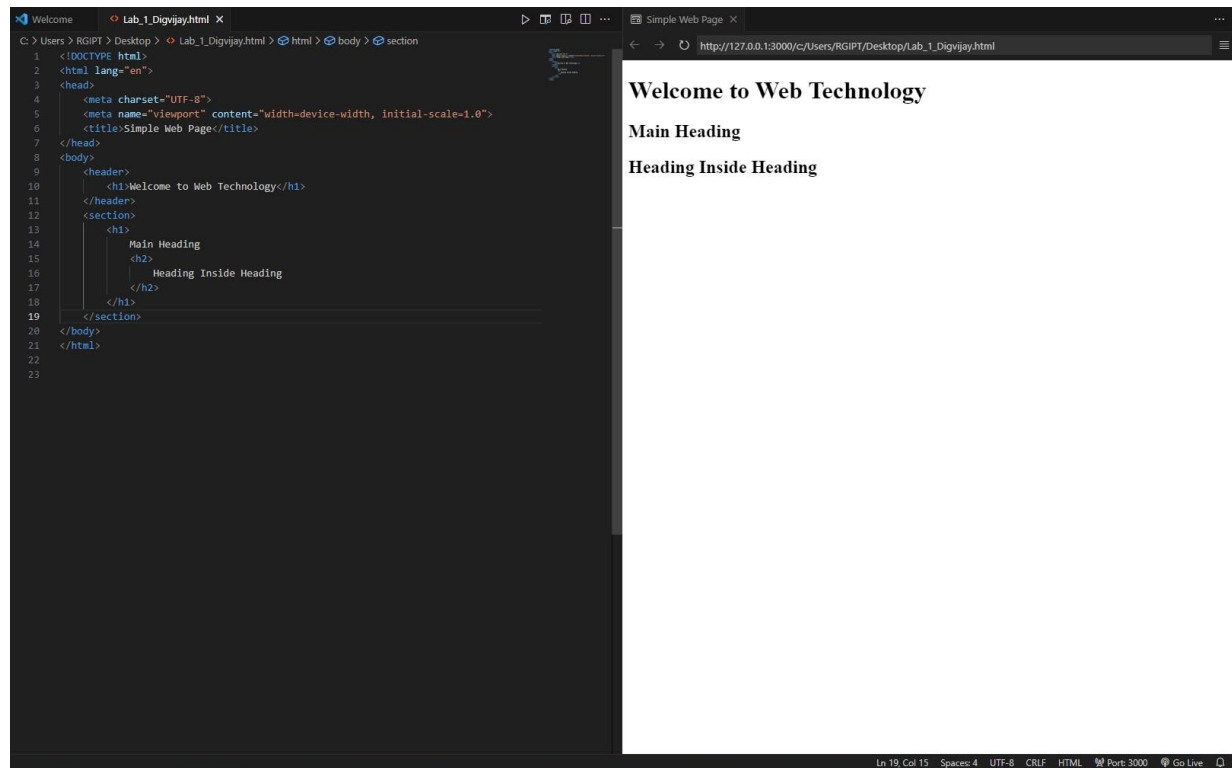
C: > Users > RGIPT > Desktop > Lab_1_Digvijay.html > html > body > section > h1 > p

```
 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>Simple Web Page</title>
 7   </head>
 8   <body>
 9       <header>
10           <h1>Welcome to Web Technology</h1>
11       </header>
12       <section>
13           <h1>
14               Main Heading
15               <p>
16                   ParaGraph Inside Heading
17               </p>
18           </h1>
19       </section>
20   </body>
21   </html>
22
23
```

http://127.0.0.1:3000/c/Users/RGIPT/Desktop/Lab_1_Digvijay.html

Welcome to Web Technology

Main Heading

ParaGraph Inside Heading

T7. Nest a heading within another heading.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <h1>
            Main Heading
            <h2>
                Heading Inside Heading
            </h2>
        </h1>
    </section>
</body>
</html>
```

C: > Users > RGIPT > Desktop > Lab_1_Digvijay.html > html > body > section

```
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>Simple Web Page</title>
7    </head>
8    <body>
9        <header>
10           <h1>Welcome to Web Technology</h1>
11       </header>
12       <section>
13           <h1>
14               Main Heading
15               <h2>
16                   Heading Inside Heading
17               </h2>
18           </h1>
19       </section>
20   </body>
21   </html>
22
23
```

Simple Web Page ✕

http://127.0.0.1:3000/c/Users/RGIPT/Desktop/Lab_1_Digvijay.html

Welcome to Web Technology

Main Heading

Heading Inside Heading

Ln 19, Col 15   Spaces: 4   UTF-8   CRLF   HTML   Port: 3000   Go Live

Image:

T8. Add an image to your web page.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <figure>
            <img src="image.jpg" alt="Technology Is Future">
            <figcaption>A computer science portal for B.
Tech.</figcaption>
        </figure>
    </section>
</body>
</html>
```

C: > Users > RGIPT > Desktop > Lab_1_Digvijay.html > html > body   ↩ ↪ ⟳   http://127.0.0.1:3000/c:/Users/RGIPT/Desktop/Lab_1_Digvijay.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>Simple Web Page</title>
 7   </head>
 8   <body>
 9       <header>
10           <h1>Welcome to Web Technology</h1>
11       </header>
12       <section>
13           <figure>
14               <img src="image.jpg" alt="Technology Is Future">
15               <figcaption>A computer science portal for B. Tech.</figcaption>
16           </figure>
17       </section>
18   </body>
19   </html>
20
21
```

Welcome to Web Technology

A computer science portal for B. Tech.

T9. Change the height and width of the image.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Web Page</title>
</head>
<body>
    <header>
        <h1>Welcome to Web Technology</h1>
    </header>
    <section>
        <figure>
            <img src="image.jpg" alt="Technology Is Future"  width="320"
height="240">
            <figcaption>A computer science portal for B.
Tech.</figcaption>
            </figure>
    </section>
</body>
</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>Simple Web Page</title>
 7   </head>
 8   <body>
 9       <header>
10           <h1>Welcome to Web Technology</h1>
11       </header>
12       <section>
13           <figure>
14               <img src="image.jpg" alt="Technology Is Future"  width="320" height="240">
15               <figcaption>A computer science portal for B. Tech.</figcaption>
16           </figure>
17       </section>
18   </body>
19   </html>
20
21
```

Welcome to Web Technology

A computer science portal for B. Tech.