

Web Technology

Lab Assignment - 1

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Simple HTML elements:

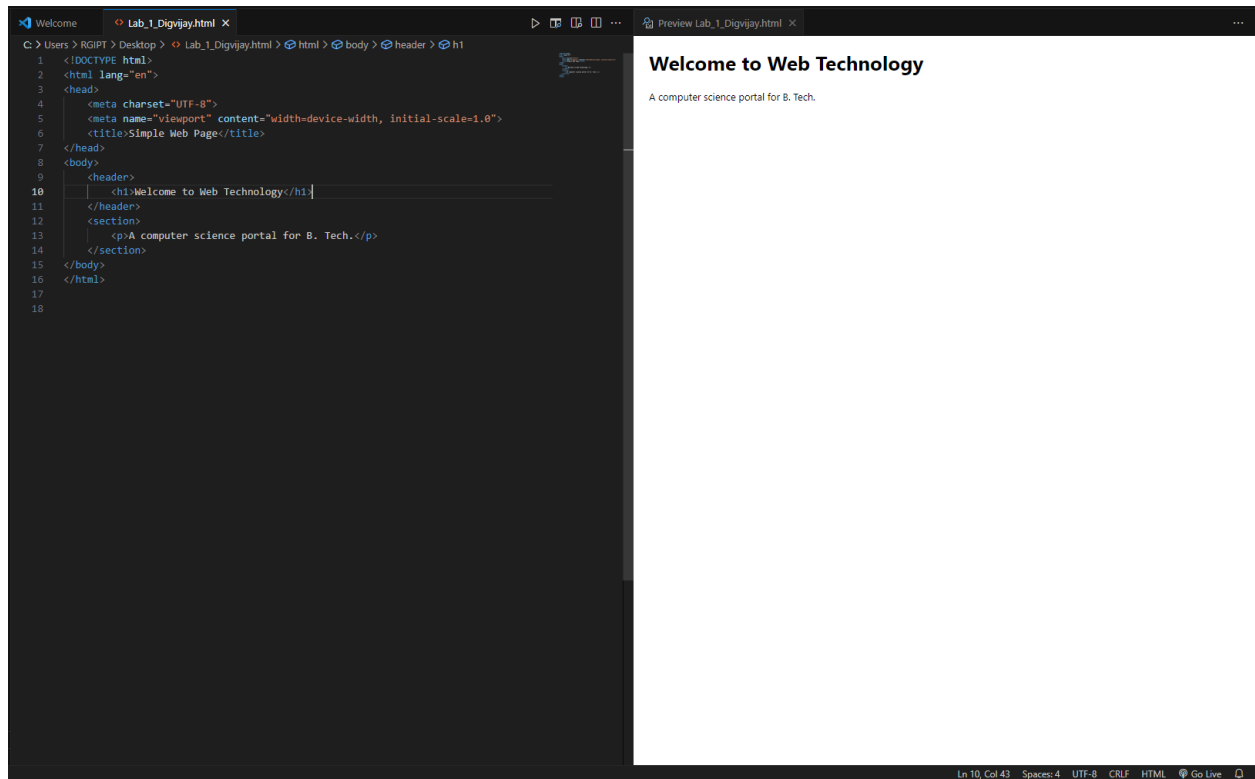
T1. Design a web page that has the following content

Title: Simple Web Page

Heading: Welcome to Web Technology

Paragraph: A computer science portal for B. Tech.

```
<!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>
```



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

```
<!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>
```

Lab_1_Digvijay.html X

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

Simple Web Page X

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

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

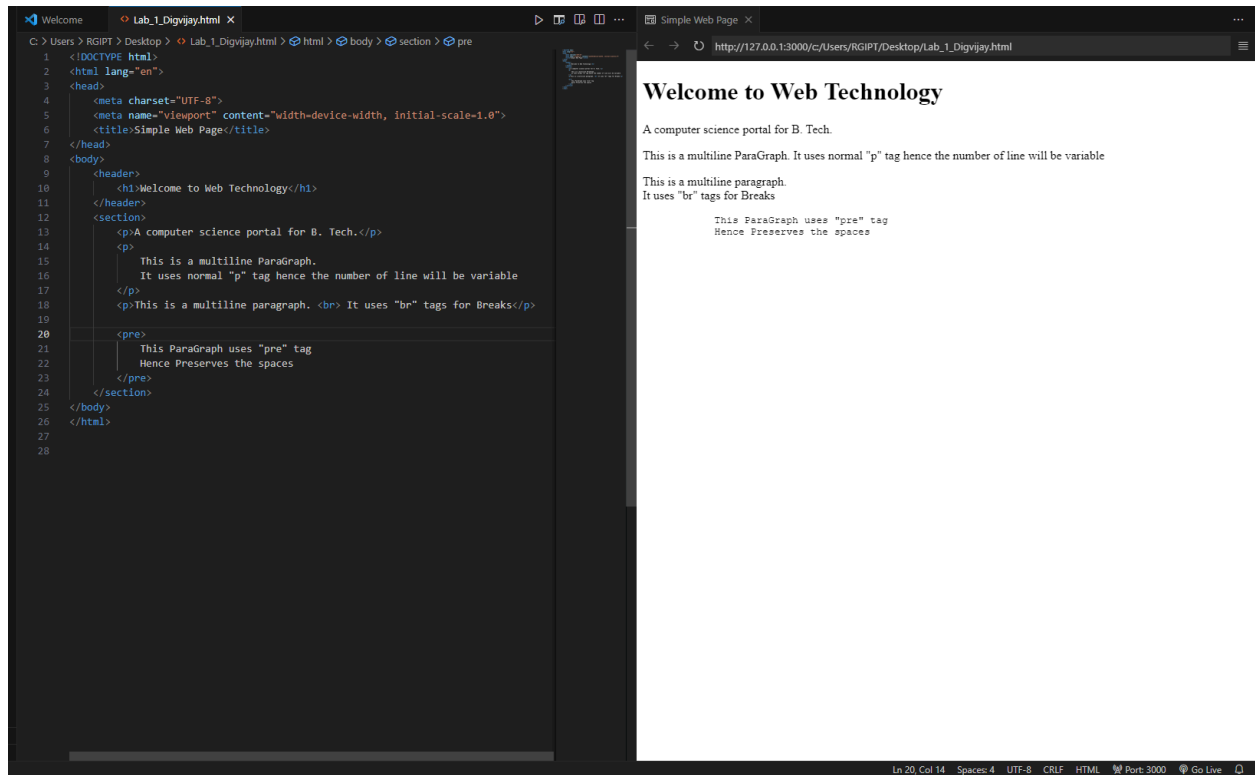
A computer science portal for B. Tech.

Ln 19, Col 54 · Spaces: 4 · UTF-8 · CRLF · HTML · Port: 3000 · Go Live

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

```
<!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>

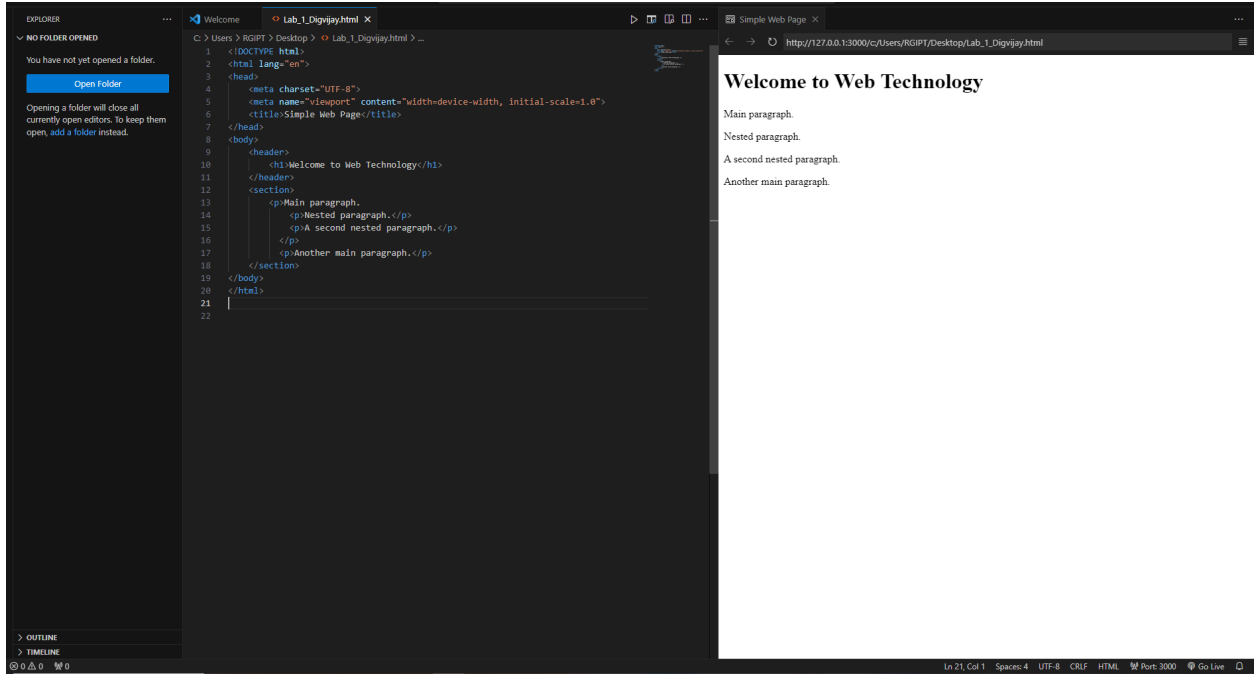
    <pre>
      This ParaGraph uses "pre" tag
      Hence Preserves the spaces
    </pre>
  </section>
</body>
</html>
```



Nested HTML elements:

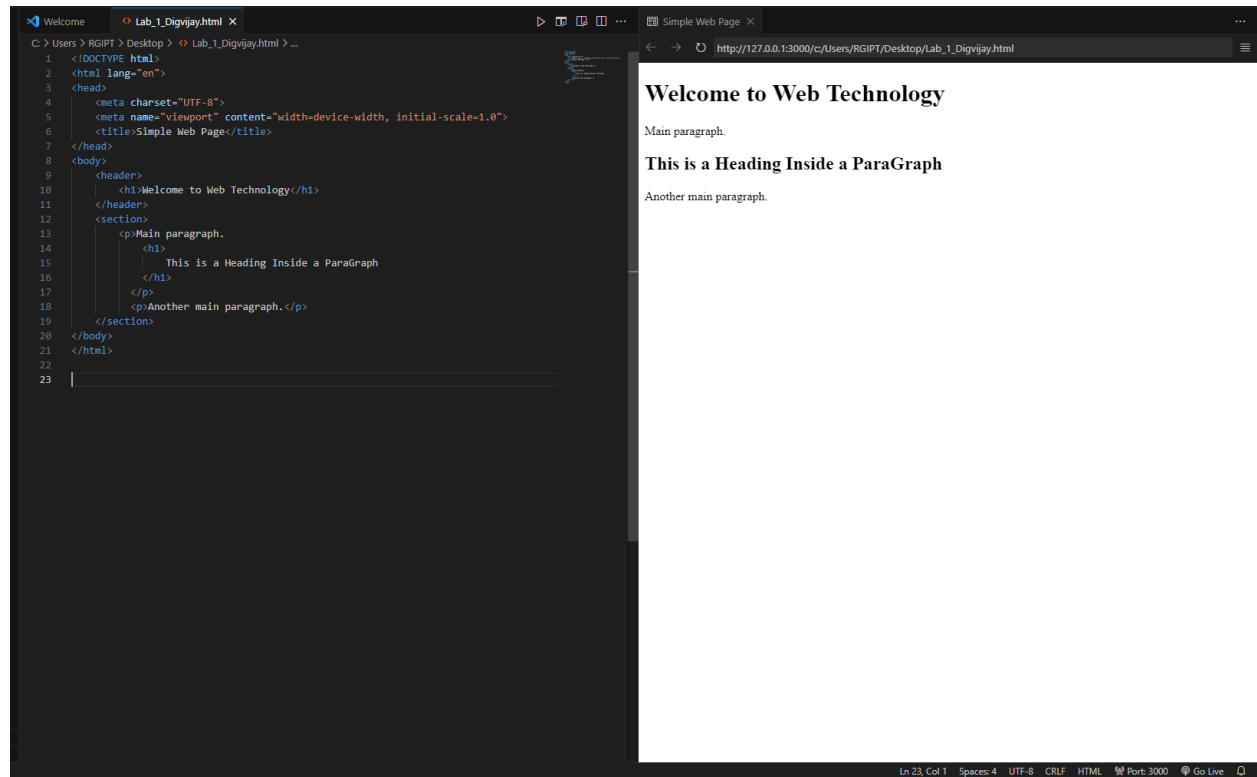
T4. Nest one paragraph within another.

```
<!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>
```



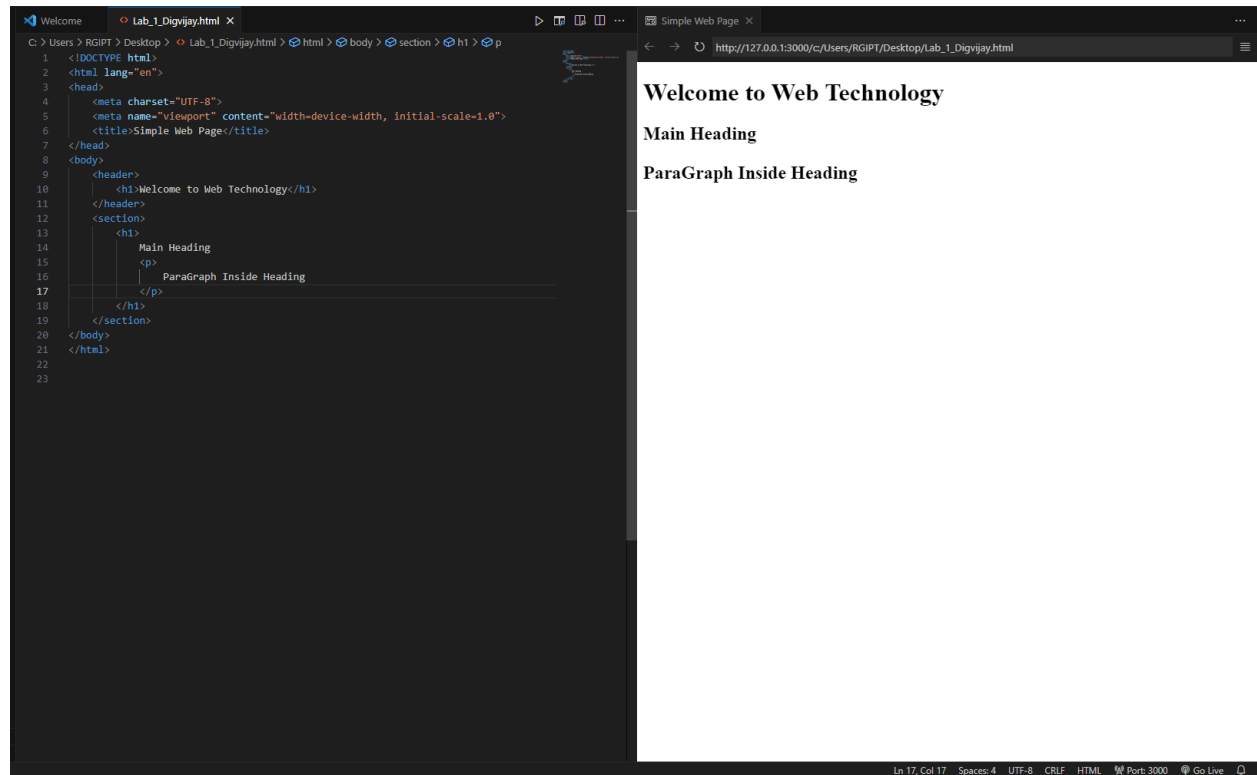
T5. Nest a heading within a paragraph.

```
<!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>
```



T6. Nest a paragraph within a heading.

```
<!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>
```



T7. Nest a heading within another heading.

```
<!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>
```

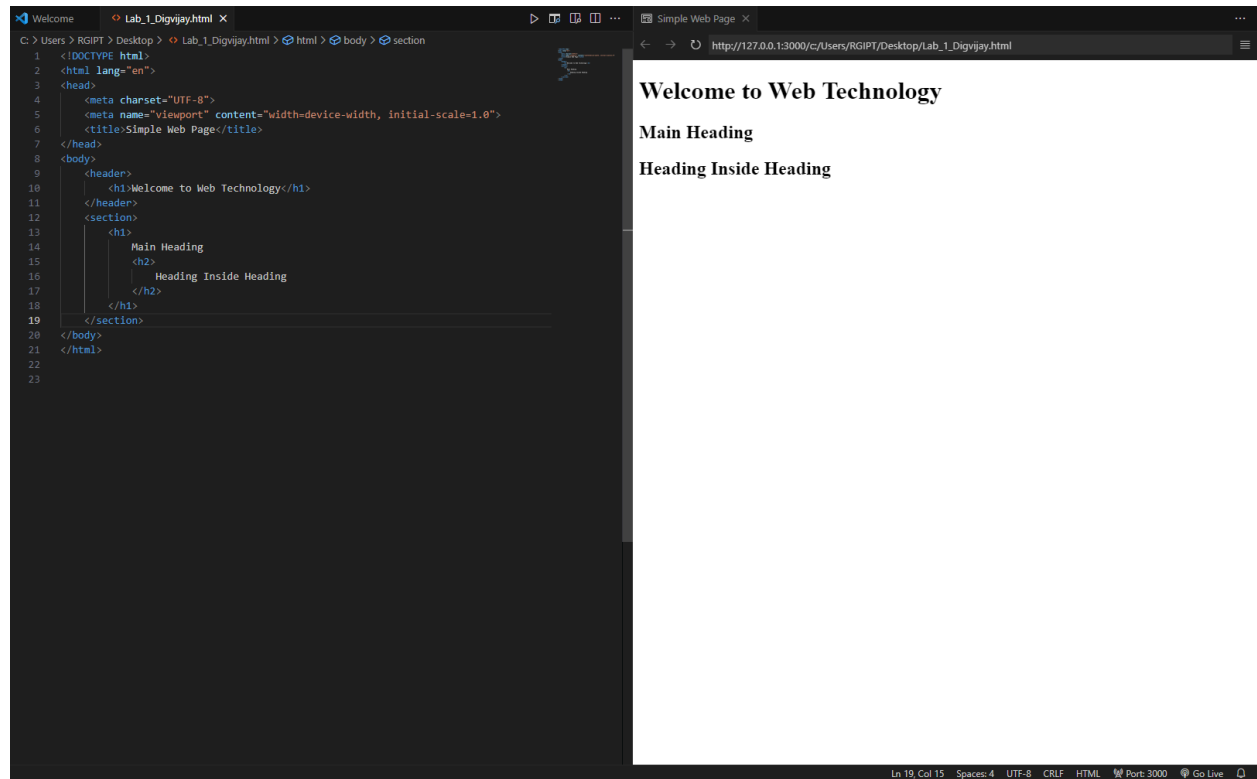


Image:

T8. Add an image to your web page.

```
<!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>
      
      <figcaption>A computer science portal for B.
Tech.</figcaption>
    </figure>
  </section>
</body>
</html>
```

Lab_1_Digvijay.html X


C:\Users\RGIPIT\Desktop> Lab_1_Digvijay.html > html > body

```
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      
15      <figcaption>A computer science portal for B. Tech.</figcaption>
16    </figure>
17  </section>
18 </body>
19 </html>
20
21
```

Simple Web Page X

http://127.0.0.1:3000/C:/Users/RGIPIT/Desktop/Lab_1_Digvijay.html

Welcome to Web Technology



A computer science portal for B. Tech.

Ln 18, Col 8 Spaces: 4 UTF-8 CRLF HTML Port 3000 Go Live

T9. Change the height and width of the image.

```
<!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>
      
      <figcaption>A computer science portal for B.
Tech.</figcaption>
    </figure>
  </section>
</body>
</html>
```

WelcomeLab_1_Digvijay.html X


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

```
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>
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8 <body>
9   <header>
10    <h1>Welcome to Web Technology</h1>
11  </header>
12  <section>
13    <figure>
14      
15      <figcaption>A computer science portal for B. Tech.</figcaption>
16    </figure>
17  </section>
18 </body>
19 </html>
20
21
```

Simple Web Page X

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

Welcome to Web Technology



A computer science portal for B. Tech.

Ln 18, Col 8 Spaces: 4 UTF-8 CRLF HTML Port: 3000 Go Live