

Module 2 > Topic 1 > Video 1

Styling an HTML Web Page



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Learning objectives

- Explain CSS.
- Style an HTML web page using CSS.

A screenshot of a web browser window displaying a website for a recording studio. The browser has a dark blue header with three circular icons (red, yellow, green) on the left, a tab labeled "New Tab" in the center, and a "+" button on the right. Below the header is a toolbar with back/forward buttons, a refresh icon, and a URL bar containing the address <https://www.voa.com/sound-recording-studio.html>. To the right of the URL bar are a star icon and a three-dot menu icon. The main content area of the browser shows a white page with a large black title "VOCAL ON AIR" at the top. Below the title is a section titled "LEARN MORE ABOUT THE STUDIO". Underneath this section is a paragraph of text: "Local on Air is one of best recording studio located in delhi for artists achieve the success they so desire. Local on Air makes sure our clients work in only the very best facilities with the very best equipment for all their production needs." To the right of the text is a large black and white illustration of a vintage-style microphone, centered within a black circle.

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- ④ **CSS (Cascading Style Sheets)**

Used to style a web page.



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Three ways to style a web page: -

1. Inline styling/Style attribute
2. Internal style sheet/Style tag
3. External style sheet (CSS)



Inline styling

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style

It can be used with all the HTML tags.

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style

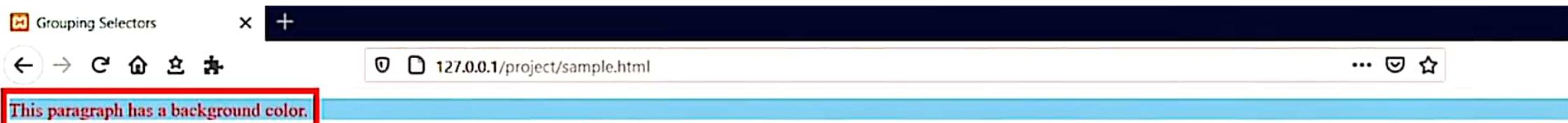
```
<tagname style="property:value;  
property:value;">content</tagname>
```

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sample.html X

c > xampp > htdocs > project > sample.html > ...

```
1 <html>
2   <head>
3     <title>Grouping Selectors</title>
4   </head>
5   <body>
6     <p style="color:red; background-color:skyblue;">This paragraph has a background color.</p>
7   </body>
8 </html>
9
```



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internal style sheet

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sample.html X

```
c > xampp > htdocs > project > sample.html > ...
1   <html>
2     <head>
3       <title>Grouping Selectors</title>
4     </head>
5     <body>
6       <p style="color: red; background-color: skyblue; font-size:14px">This is a paragraph</p>
7     </body>
8   </html>
9 
```

sample.html X

c > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title>CSS Page</title>
4    </head>
5    <body>
6      <h1 style="color: green; background-color: yellow; font-size:24px">This is a heading</h1>
7      <p style="color: red; background-color: skyblue; font-size:14px">This is a paragraph</p>
8      <p style="color: red; background-color: skyblue; font-size:14px">This is another paragraph</p>
9    </body>
10   </html>
11
```

sample.html X

c > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title>CSS Page</title>
4    </head>
5    <body>
6      <h1 style="color: green; background-color: yellow; font-size:24px">This is a heading</h1>
7      <p style="color: red; background-color: skyblue; font-size:14px">This is a paragraph</p>
8      <p style="color: red; background-color: skyblue; font-size:14px">This is another paragraph</p>
9    </body>
10   </html>
11
```



A screenshot of Visual Studio Code showing the file `sample.html`. The code contains inline CSS styles applied directly to HTML elements. The file path is shown in the title bar as `sample.html - Visual Studio Code`.

```
<html>
  <head>
    <title>CSS Page</title>
  </head>
  <body>
    <h1 style="color:green; background-color:yellow; font-size:24px">This is a heading</h1>
    <p style="color:red; background-color:skyblue; font-size:14px">This is a paragraph</p>
    <p style="color:red; background-color:skyblue; font-size:14px">This is another paragraph</p>
  </body>
</html>
```



A screenshot of Visual Studio Code showing the file `sample.html`. The code has been refactored to use an internal CSS block within the `<head>` section. The file path is shown in the title bar as `sample.html - Visual Studio Code`.

```
<html>
  <head>
    <title>CSS Page</title>
    <style>
      h1 {
        color:green;
        background-color:yellow;
        font-size:24px;
      }
      p {
        color:red;
        background-color:skyblue;
        font-size:14px;
      }
    </style>
  </head>
  <body>
    <h1>This is a heading</h1>
    <p>This is a paragraph</p>
    <p>This is another paragraph</p>
  </body>
</html>
```

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sample.html X

c > xampp > htdocs > project > sample.html > ...

```
1  <html>
2   <head>
3     <title>CSS Page</title>
4     <style>
5       h1 {
6         color: green;
7         background-color: yellow;
8         font-size: 24px;
9       }
10      p {
11        color: red;
12        background-color: skyblue;
13        font-size: 14px;
14      }
15    </style>
16  </head>
17  <body>
18    <h1>This is a heading</h1>
19    <p>This is a paragraph</p>
20    <p>This is another paragraph</p>
21  </body>
22</html>
23
```

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External style sheet (CSS)

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External style sheet (CSS)



sample.html



style.css

A screenshot of the Visual Studio Code interface. The top bar shows the menu: File, Edit, Selection, View, Go, Run, Terminal, Help. The title bar indicates the file is "style.css - Visual Studio Code". The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main editor area displays the following CSS code:

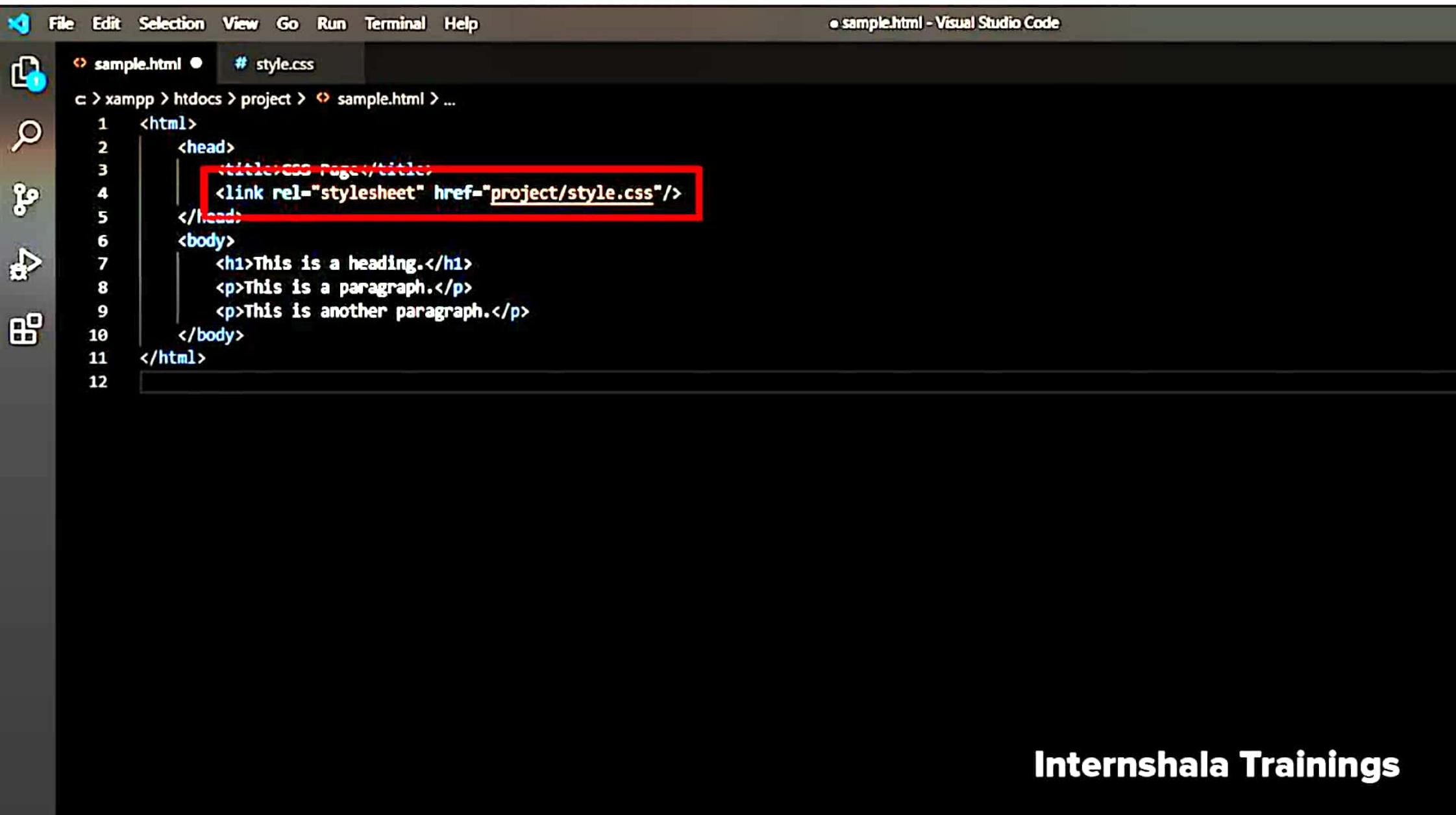
```
c > xampp > htdocs > project > css > # style.css > ...
1  h1 {
2    color: green;
3    background-color: yellow;
4    font-size: 24px;
5  }
6  p {
7    color: red;
8    background-color: skyblue;
9    font-size: 14px;
10 }
11
```

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A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "sample.html - Visual Studio Code". On the left, there's a vertical toolbar with icons for file operations like Open, Save, Find, and Refresh. The main editor area has two tabs: "sample.html" and "# style.css". The "sample.html" tab contains the following code:

```
1 <html>
2   <head>
3     <title>CSS Page</title>
4     <link rel="stylesheet" href="project/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <p>This is a paragraph.</p>
9     <p>This is another paragraph.</p>
10    </body>
11 </html>
```

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File Edit Selection View Go Run Terminal Help

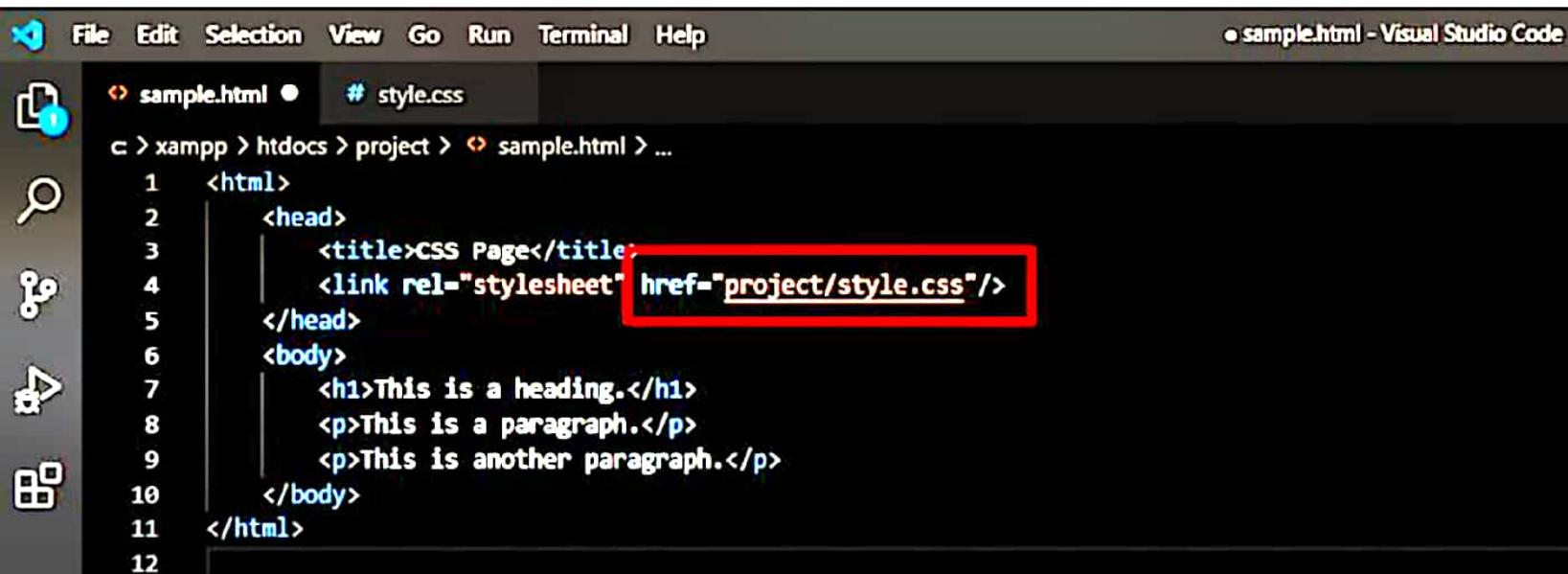
sample.html - Visual Studio Code

sample.html # style.css

c > xampp > htdocs > project > sample.html > ...

```
1 <html>
2   <head>
3     <title>CSS Page</title>
4     <link rel="stylesheet" href="project/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <p>This is a paragraph.</p>
9     <p>This is another paragraph.</p>
10    </body>
11  </html>
```

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File Edit Selection View Go Run Terminal Help

• sample.html - Visual Studio Code

sample.html # style.css

c > xampp > htdocs > project > sample.html > ...

```
1 <html>
2   <head>
3     <title>CSS Page</title>
4     <link rel="stylesheet" href="project/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <p>This is a paragraph.</p>
9     <p>This is another paragraph.</p>
10    </body>
11  </html>
12
```

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Multiple Web Pages of a Single Website



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Three ways to style a web page: -

1. Inline styling/Style attribute
2. Internal style sheet/Style tag
3. External style sheet (CSS)

Module 2 > Topic 1 > Video 2

Precedence in Styling



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Learning objectives

- Understand precedence when inline styling, internal style tag, and external style sheet are applied together.
- Understand the ideal folder structure for any website.



Three ways to style a web page:

1. Inline styling/Style attribute
2. Internal style sheet/Style tag
3. External style sheet (CSS)

HTML code

A screenshot of a code editor interface. On the left, there's a sidebar with icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: 'sample.html' and 'style.css'. The 'sample.html' tab contains the following HTML code:

```
<html>
  <head>
    <title>CSS Page</title>
    <link rel="stylesheet" href="project/style.css"/>
    <style>
      p {
        color: black;
        background-color: pink;
      }
    </style>
  </head>
  <body>
    <h1>This is a heading.</h1>
    <p>This is a paragraph.</p>
    <p style="color: brown;">This is another paragraph.</p>
  </body>
</html>
```

The 'style.css' tab contains the following CSS code:

```
h1 {
  color: green;
  background-color: yellow;
  font-size: 24px;
}
p {
  color: red;
  background-color: skyblue;
  font-size: 14px;
}
```

CSS code

A screenshot of a code editor interface. On the left, there's a sidebar with icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: 'sample.html' and 'style.css'. The 'style.css' tab contains the following CSS code:

```
h1 {
  color: green;
  background-color: yellow;
  font-size: 24px;
}
p {
  color: red;
  background-color: skyblue;
  font-size: 14px;
}
```

Output

A screenshot of a web browser window. The title bar says 'CSS Page'. The address bar shows the URL '127.0.0.1/project/sample.html'. The page content is as follows:

This is a heading.

This is a paragraph.

This is another paragraph.

In the bottom right corner of the browser window, there is a watermark that reads 'Internshala Trainings'.

To summarize

- The browser renders the HTML document from top to bottom and element by element.
- The styling i.e. internal style tag and external css whichever is mentioned first in the HTML code gets applied first and then the second styling.
- Inline styling gets applied at the end and overrides the other stylings.



JPEG

.jpeg



HTML

.html



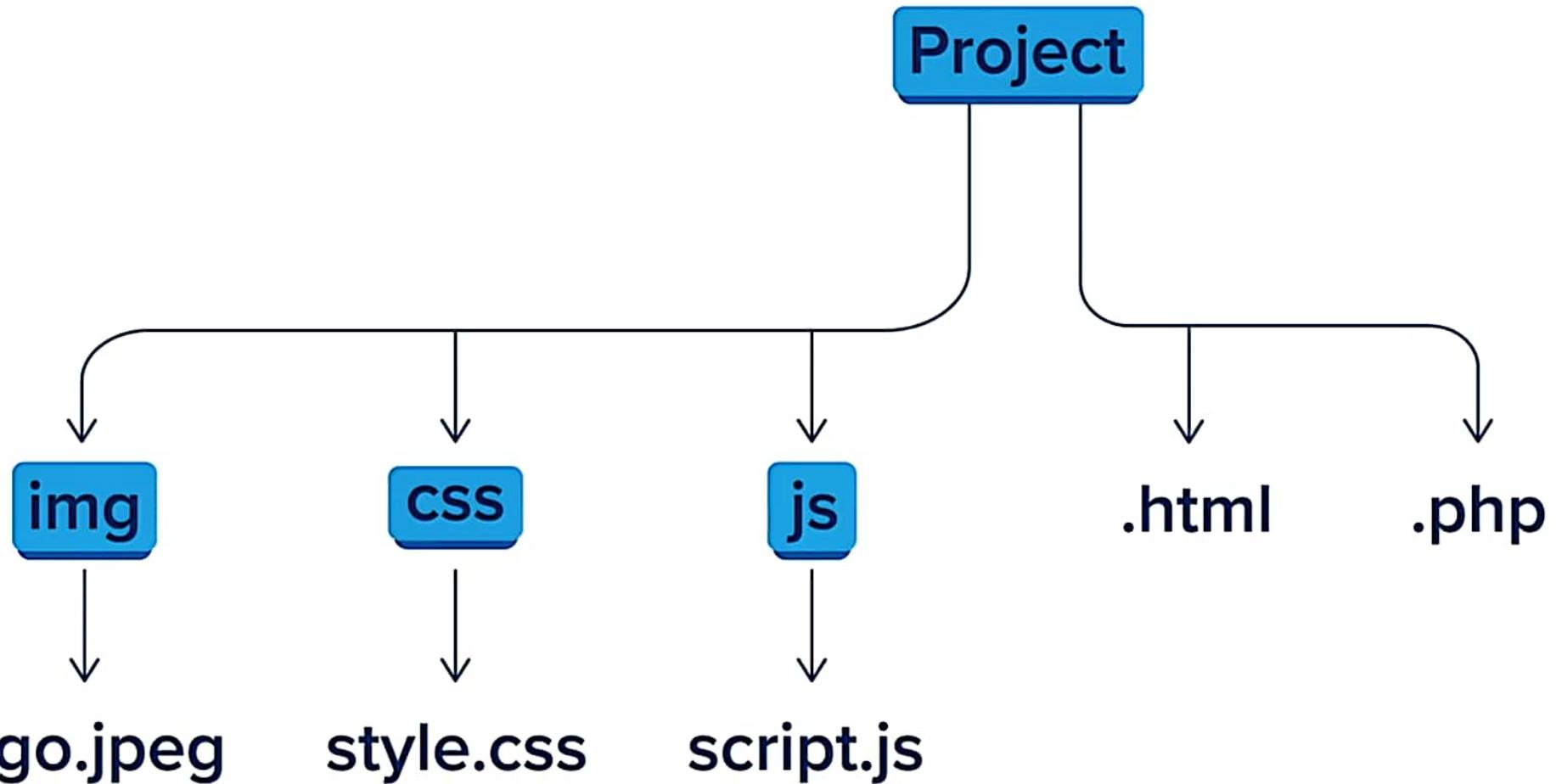
CSS

.css



PNG

.png



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```
<link rel="stylesheet" href="css/style.css"/>
```

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Module 2 > Topic 2 > Video 1

Types of CSS Selectors - I



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Learning objective

- Explain different selectors to style a web page.

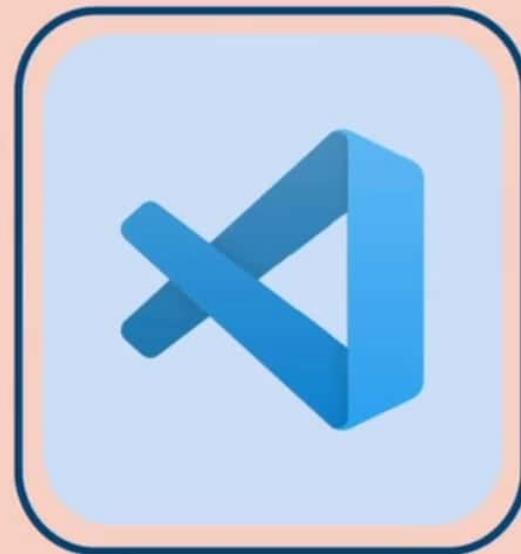


.html



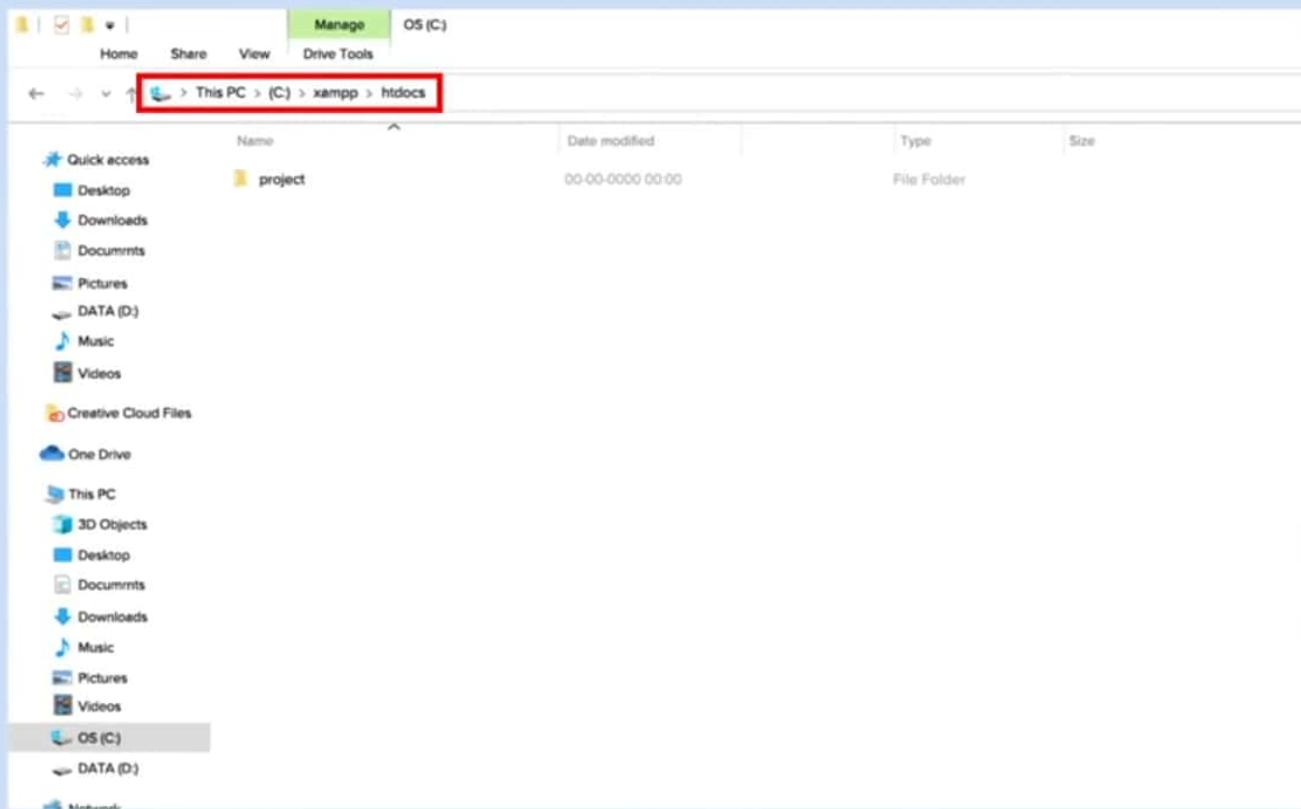
.css

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Microsoft Visual Studio (VS) Code

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```
<link rel="stylesheet" href="css/style.css"/>
```

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127.0.0.1/project/your-filename.html

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```
selector {  
    property-1: value-1;  
    property-2: value-2;  
}
```

```
selector {  
    property-1: value-1;  
    property-2: value-2;  
}
```

- Selector is used to select one or more elements to which we want to apply the style.
- Property means the CSS properties which we want to apply to the selector.
Example: font-color, background-color, etc.
- Values correspond to the specific style properties for the selected elements.
Example: red, 14px, etc.

Types of CSS Selectors

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Element/Type selectors

They are used to style all the elements of a particular type at once.

sample.html X # style.css

C: > xampp > htdocs > sample.html > ...

```
1  <html>
2      <head>
3          <title>CSS Page</title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <p>This is paragraph 1.</p>
8          <p>This is paragraph 2.</p>
9          <p>This is paragraph 3.</p>
10         <p>This is paragraph 4.</p>
11     </body>
12 </html>
13 |
```

sample.html X # style.css

```
C: > xampp > htdocs > sample.html > ...
1  <html>
2    <head>
3      <title>CSS Page</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <p>This is paragraph 1.</p>
8      <p>This is paragraph 2.</p>
9      <p>This is paragraph 3.</p>
10     <p>This is paragraph 4.</p>
11   </body>
12 </html>
13 |
```

sample.html # style.css X

C: > xampp > htdocs > css > # style.css > ...

```
1 p {  
2     color: red;  
3     background-color: skyblue;  
4 }  
5
```

Force refresh

Ctrl

+

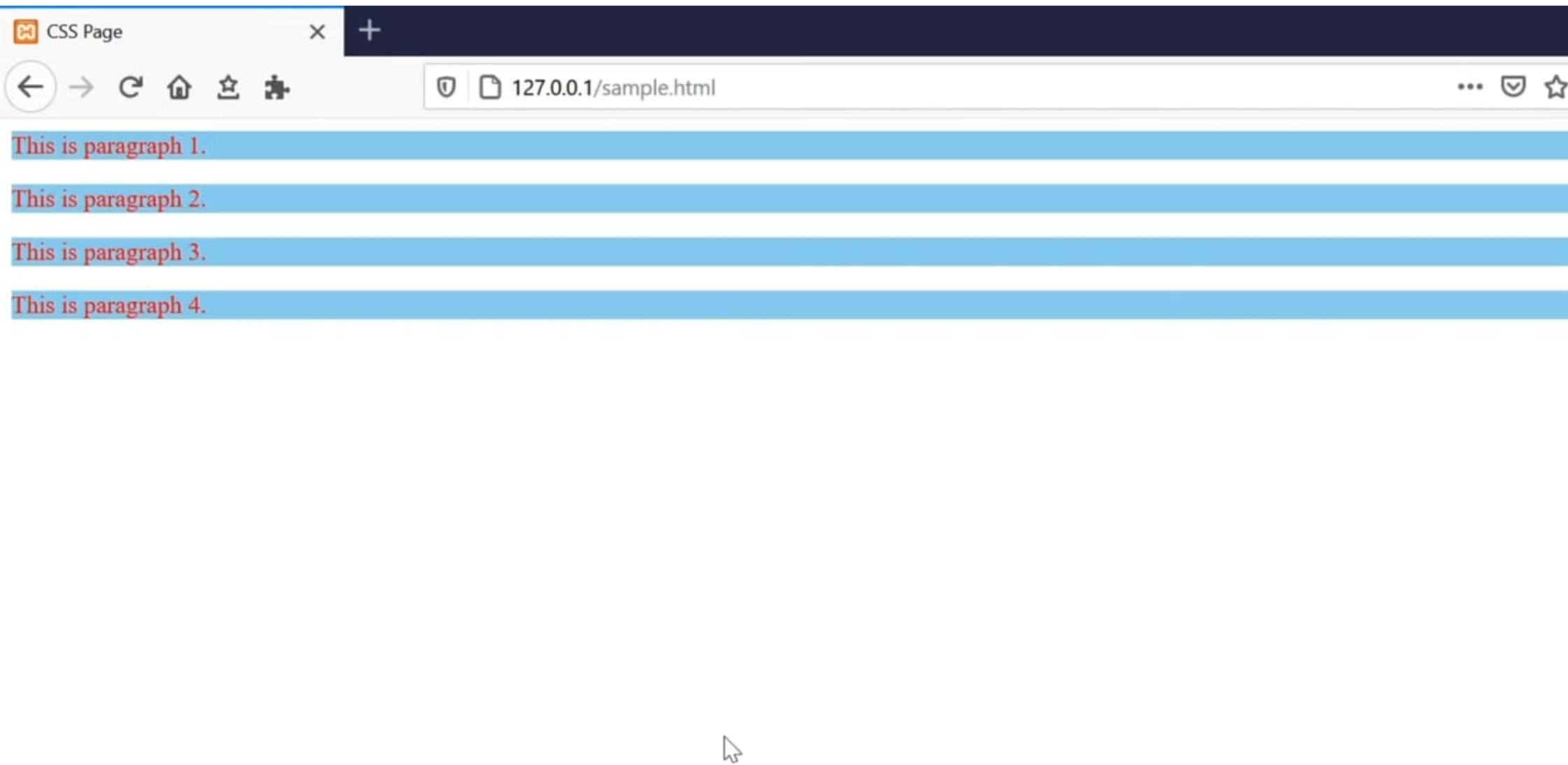
Shift



+

R

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Id Selectors

They are used to style only a single element of a particular type.

sample.html # style.css

```
C: > xampp > htdocs > sample.html > html > body > p
1  <html>
2    <head>
3      <title>CSS Page</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <p>This is paragraph 1.</p>
8      <p>This is paragraph 2.</p> This line is highlighted.
9      <p>This is paragraph 3.</p>
10     <p>This is paragraph 4.</p>
11   </body>
12 </html>
13
```

sample.html # style.css

C: > xampp > htdocs > sample.html > html > body > p#abc

```
1  <html>
2      <head>
3          <title>CSS Page</title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <p>This is paragraph 1.</p>
8          <p id="abc">This is paragraph 2.</p>
9          <p>This is paragraph 3.</p>
10         <p>This is paragraph 4.</p>
11     </body>
12 </html>
13
```



Naming conventions for unique ID

1. It can have alphanumeric characters or hyphen or underscore.
2. It cannot have any special characters.
3. The name cannot start with a number.



sample.html # style.css ●

C: > xampp > htdocs > css > # style.css > ...

```
1 #abc {  
2     color: red;  
3     background-color: skyblue;  
4 }  
5
```

#abc

red

skyblue

}

5

I

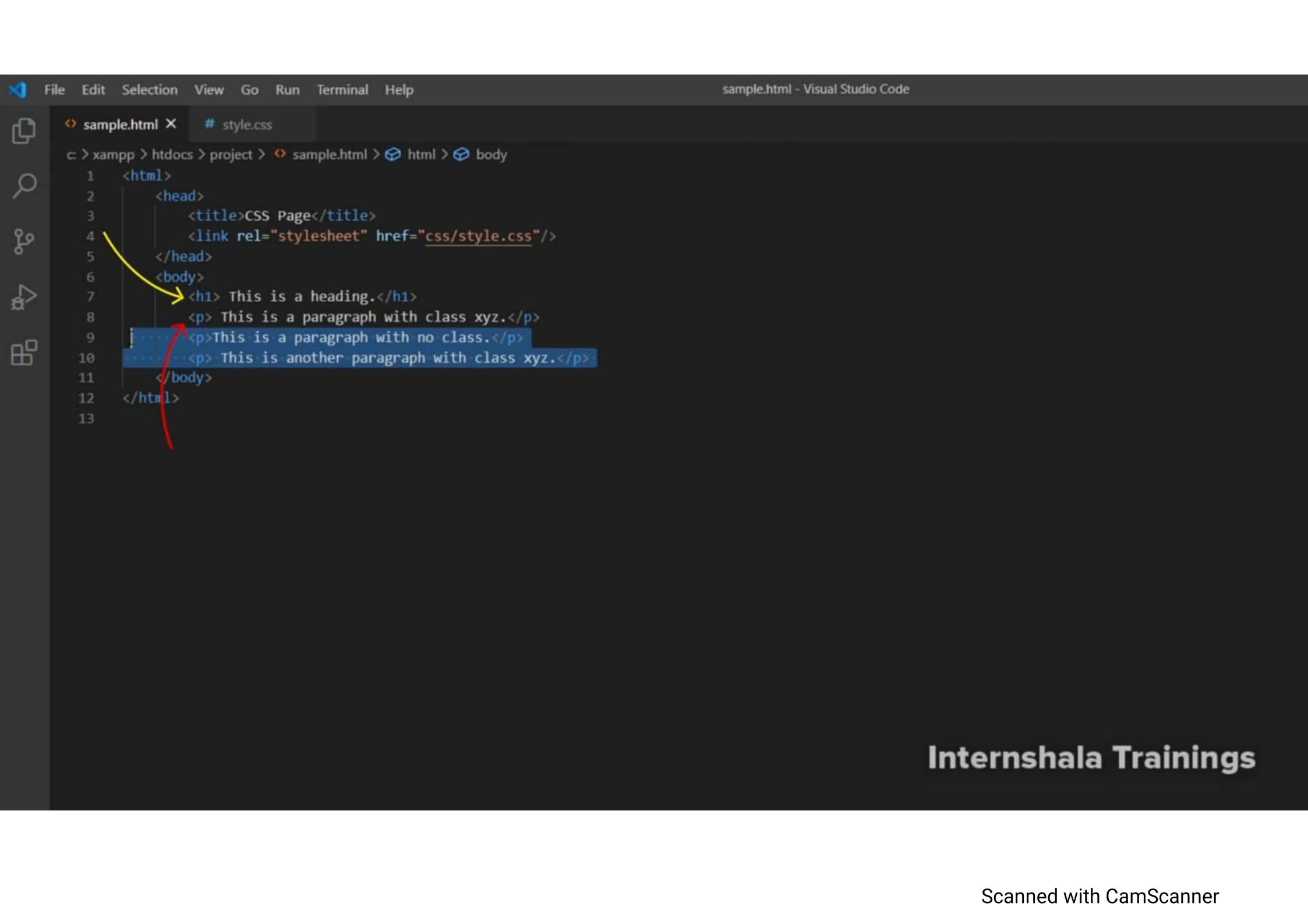


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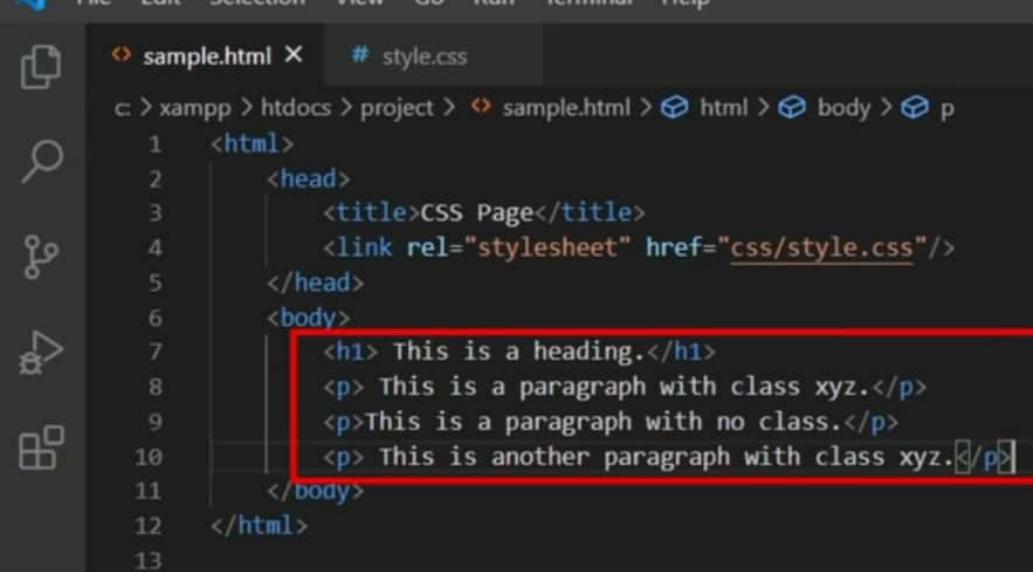
Class Selectors

They are used when we want to style more than one element.

sample.html X # style.css

c: > xampp > htdocs > project > sample.html > html > body

```
1. <html>
2.   <head>
3.     <title>CSS Page</title>
4.     <link rel="stylesheet" href="css/style.css"/>
5.   </head>
6.   <body>
7.     <h1> This is a heading.</h1>
8.     <p> This is a paragraph with class xyz.</p>
9.     <p>This is a paragraph with no class.</p>
10.    <p> This is another paragraph with class xyz.</p>
11.  </body>
12. </html>
13.
```

A screenshot of the Visual Studio Code interface. The left sidebar shows icons for file operations like Open, Save, Find, and Refresh. The main editor area has two tabs: "sample.html X" and "# style.css". The "sample.html" tab is active, displaying an HTML document structure. The code is as follows:

```
c: > xampp > htdocs > project > sample.html > html > body > p
1. <html>
2.   <head>
3.     <title>CSS Page</title>
4.     <link rel="stylesheet" href="css/style.css"/>
5.   </head>
6.   <body>
7.     <h1> This is a heading.</h1>
8.     <p> This is a paragraph with class xyz.</p>
9.     <p>This is a paragraph with no class.</p>
10.    <p> This is another paragraph with class xyz.</p>
11.  </body>
12. </html>
13.
```

A red rectangular box highlights the entire content of the `<body>` tag, from line 7 to line 11. A cursor is visible at the end of the third paragraph's closing tag on line 10.
1. <html>
2. <head>
3. <title>CSS Page</title>
4. <link rel="stylesheet" href="css/style.css"/>
5. </head>
6. <body>
7. <h1> This is a heading.</h1>
8. <p> This is a paragraph with class xyz.</p>
9. <p>This is a paragraph with no class.</p>
10. <p> This is another paragraph with class xyz.</p>
11. </body>
12. </html>
13.

sample.html # style.css

c: > xampp > htdocs > project > sample.html > html > body > p.xyz

```
1. <html>
2.   <head>
3.     <title>CSS Page</title>
4.     <link rel="stylesheet" href="css/style.css"/>
5.   </head>
6.   <body>
7.     <h1 class="xyz">This is a heading.</h1>
8.     <p class="xyz">This is a paragraph with class xyz.</p>
9.     <p>This is a paragraph with no class.</p>
10.    <p class="xyz">This is another paragraph with class xyz.</p>
11.  </body>
12. </html>
13.
```

sample.html # style.css

```
c: > xampp > htdocs > project > css > # style.css > ...
1. .xyz {
2.   color: red;
3.   background-color: skyblue;
4. }
5.
```

sample.html # style.css X

c: > xampp > htdocs > project > css > # style.css > ...
1 .xyz {
2 color: red;
3 background-color: skyblue;
4 }
5

sample.html # style.css

c: > xampp > htdocs > project > css > # style.css > ...

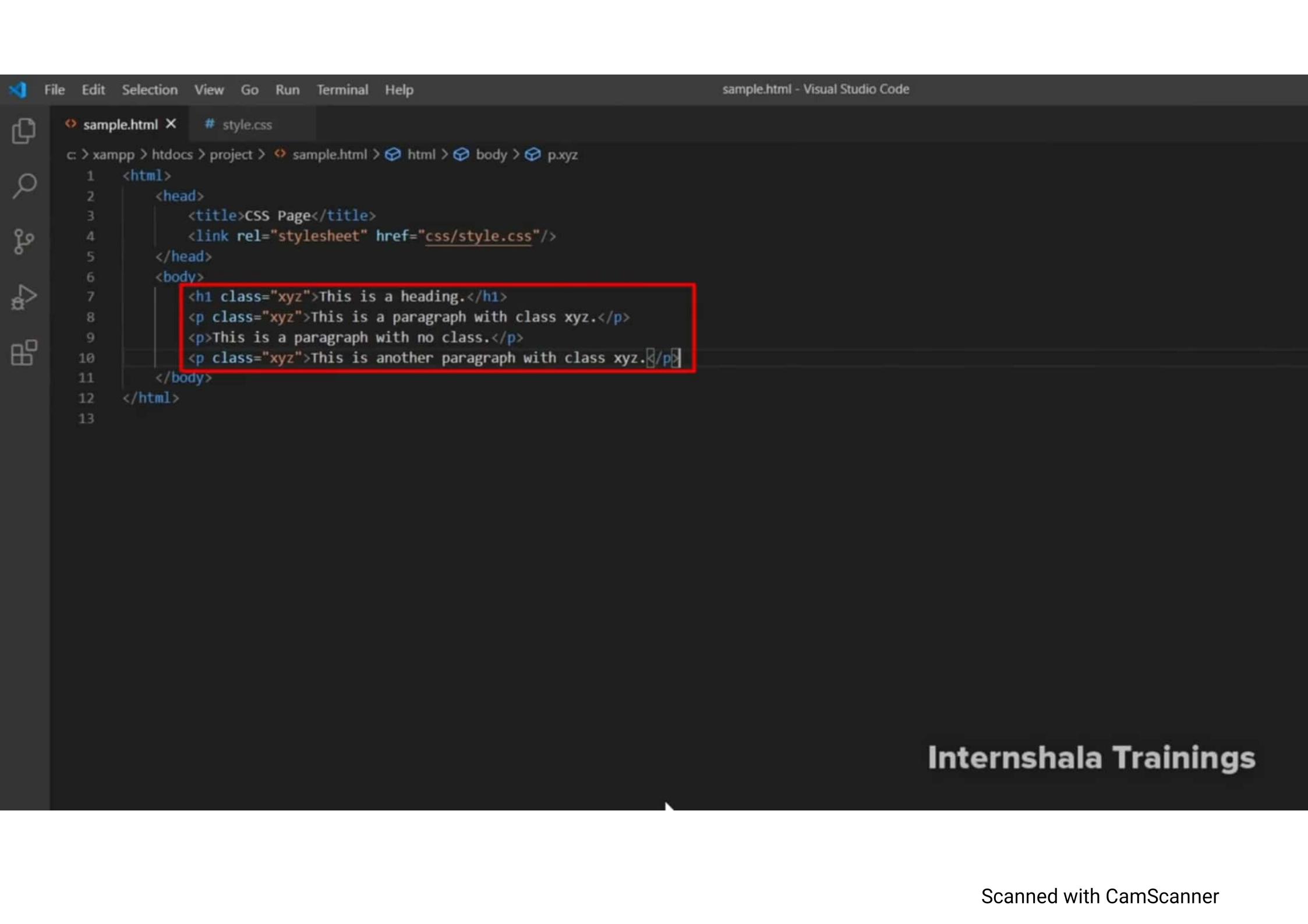
```
1 .xyz {  
2     color: red;  
3     background-color: skyblue;  
4 }  
5
```



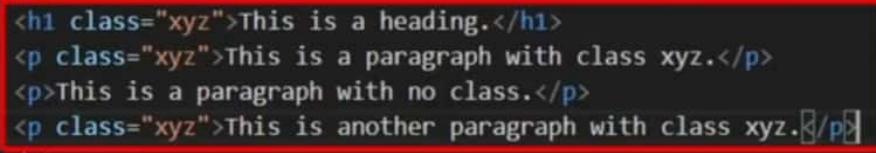


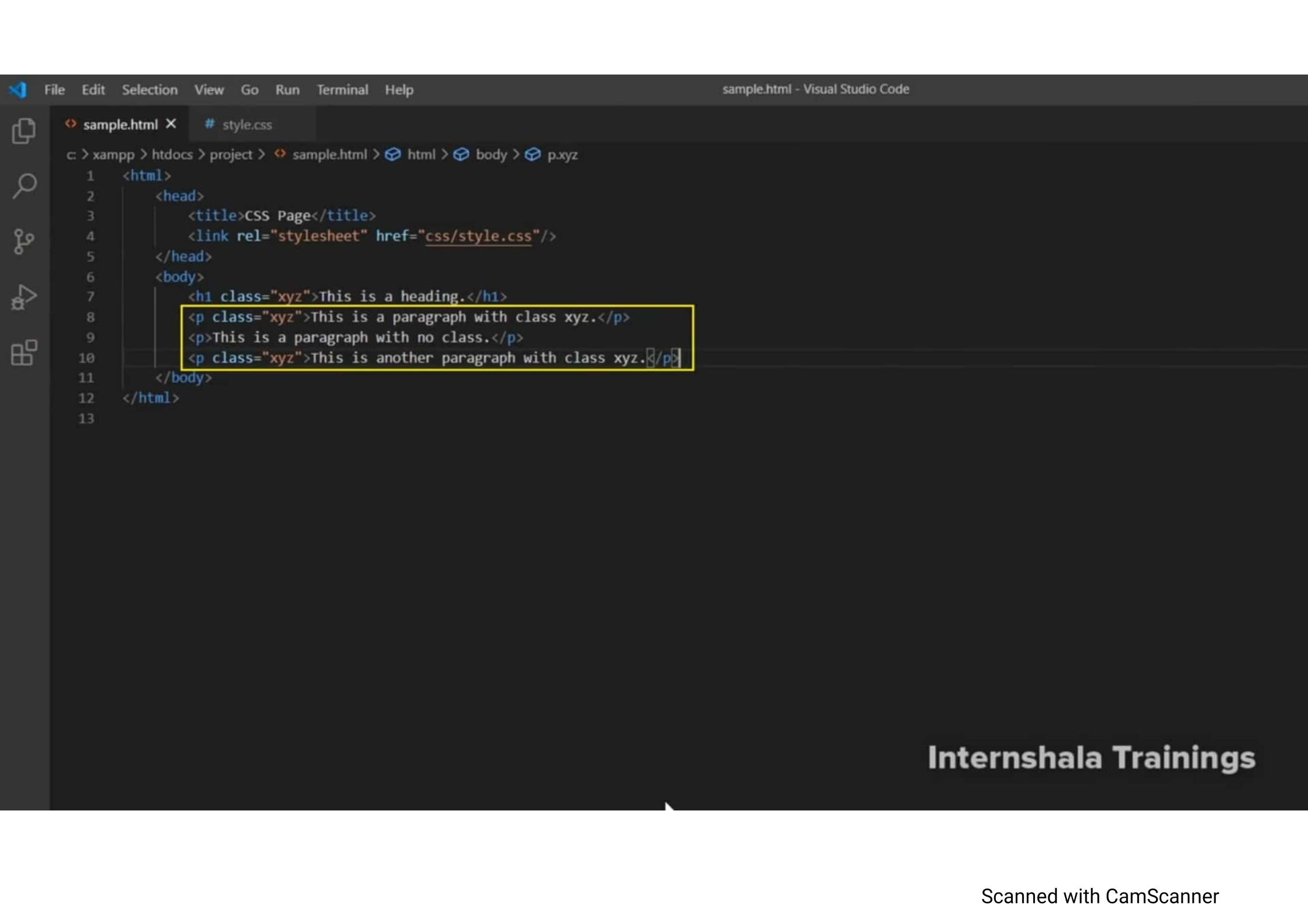
Combination Selectors

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A screenshot of the Visual Studio Code interface. The left sidebar shows icons for file operations like Open, Save, Find, and Refresh. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar says "sample.html - Visual Studio Code". In the main editor area, there are two tabs: "sample.html X" and "# style.css". The "sample.html" tab is active, displaying the following code:

```
c: > xampp > htdocs > project > sample.html > html > body > p.xyz
1. <html>
2.   <head>
3.     <title>CSS Page</title>
4.     <link rel="stylesheet" href="css/style.css"/>
5.   </head>
6.   <body>
7.     <h1 class="xyz">This is a heading.</h1>
8.     <p class="xyz">This is a paragraph with class xyz.</p>
9.     <p>This is a paragraph with no class.</p>
10.    <p class="xyz">This is another paragraph with class xyz.</p>
11.  </body>
12. </html>
13.
```

The code between lines 7 and 10 is highlighted with a red rectangular box. The "style.css" tab is also visible but contains no content.

A screenshot of the Visual Studio Code interface. The left sidebar shows icons for file operations like new, open, save, and search. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar says "sample.html - Visual Studio Code". In the main editor area, there are two tabs: "sample.html X" and "# style.css". The "sample.html" tab is active, showing the following code:

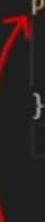
```
c: > xampp > htdocs > project > sample.html > html > body > p.xyz
1. <html>
2.   <head>
3.     <title>CSS Page</title>
4.     <link rel="stylesheet" href="css/style.css"/>
5.   </head>
6.   <body>
7.     <h1 class="xyz">This is a heading.</h1>
8.     <p class="xyz">This is a paragraph with class xyz.</p>
9.     <p>This is a paragraph with no class.</p>
10.    <p class="xyz">This is another paragraph with class xyz.</p>
11.  </body>
12. </html>
13.
```

The code block from line 8 to line 10 is highlighted with a yellow rectangular selection box. The "style.css" tab is also visible but contains no code.

sample.html # style.css

c: > xampp > htdocs > project > css > # style.css > ...

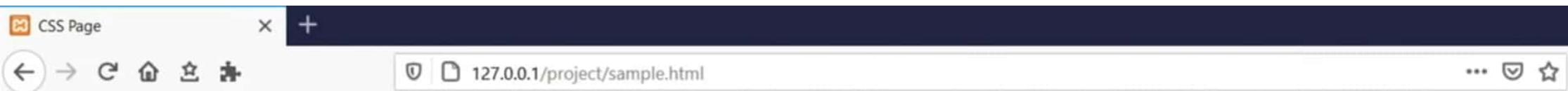
```
1 p.xyz {  
2     color: red;  
3     background-color: skyblue;  
4 }  
5
```



p.xyz 

.xyzp 

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This is a heading.

This is a paragraph with class xyz.

This is a paragraph with no class.

This is another paragraph with class xyz.



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Module 2 > Topic 2 > Video 2

Types of CSS Selectors - II



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Learning objectives

- Explain the concept of hierarchy in HTML.
- Apply different selectors to style a web page.

Types of CSS selectors

- Element/Type selectors
- Id selectors
- Class selectors
- Combination selectors

Hierarchy in HTML

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sample.html # style.css

c > xampp > htdocs > project > sample.html > ...

```
1  <html>
2   <head>
3     <title>Child Selectors</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <ul>
9         <li>
10          <a href="http://www.google.com" target="_blank">Google</a>
11        </li>
12        <li>
13          <a href="http://www.facebook.com" target="_blank">Facebook</a>
14        </li>
15      </ul>
16    </div>
17    <div>
18      <p>
19        <a href="http://www.internshala.com" target="_blank">Internshala</a>
20      </p>
21    </div>
22  </body>
23</html>
```

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sample.html # style.css

c: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title>Child Selectors</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <ul>
9          <li>
10         <a href="http://www.google.com" target="_blank">Google</a>
11       </li>
12       <li>
13         <a href="http://www.facebook.com" target="_blank">Facebook</a>
14       </li>
15     </ul>
16   </div>
17   <div>
18     <p>
19       <a href="http://www.internshala.com" target="_blank">Internshala</a>
20     </p>
21   </div>
22 </body>
23 </html>
```

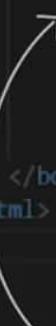
Internshala Trainings

sample.html # style.css

```
c > xampp > htdocs > project > sample.html > ...
1   <html>
2     <head>
3       <title>Child Selectors</title>
4       <link rel="stylesheet" href="css/style.css"/>
5     </head>
6     <body>
7       <div>
8         <ul>
9           <li>
10          <a href="http://www.google.com" target="_blank">Google</a>
11        </li>
12        <li>
13          <a href="http://www.facebook.com" target="_blank">Facebook</a>
14        </li>
15      </ul>
16    </div>
17    <div>
18      <p>
19        <a href="http://www.internshala.com" target="_blank">Internshala</a>
20      </p>
21    </div>
22  </body>
23</html>
```

Internshala Trainings

```
sample.html # style.css  
c > xampp > htdocs > project > sample.html > ...  
1  <html>  
2   <head>  
3     <title>Child Selectors</title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <div>  
8       <ul>  
9         <li>  
10        <a href="http://www.google.com" target="_blank">Google</a>  
11        </li>  
12        <li>  
13          <a href="http://www.facebook.com" target="_blank">Facebook</a>  
14          </li>  
15        </ul>  
16      </div>  
17      <div>  
18        <p>  
19          <a href="http://www.internshala.com" target="_blank">Internshala</a>  
20        </p>  
21      </div>  
22    </body>  
23 </html>
```



Internshala Trainings

sample.html # style.css

```
c: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title>Child Selectors</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <ul>
9          <li>
10         <a href="http://www.google.com" target="_blank">Google</a>
11       </li>
12       <li>
13         <a href="http://www.facebook.com" target="_blank">Facebook</a>
14       </li>
15     </ul>
16   </div>
17   <div>
18     <p>
19       <a href="http://www.internshala.com" target="_blank">Internshala</a>
20     </p>
21   </div>
22 </body>
23 </html>
```

Internshala Trainings



sample.html # style.css

```
c: > xampp > htdocs > project > sample.html > ...
1   <html>
2     <head>
3       <title>Child Selectors</title>
4       <link rel="stylesheet" href="css/style.css"/>
5     </head>
6     <body>
7       <div>
8         <ul>
9           <li>
10          <a href="http://www.google.com" target="_blank">Google</a>
11        </li>
12        <li>
13          <a href="http://www.facebook.com" target="_blank">Facebook</a>
14        </li>
15      </ul>
16    </div>
17    <div>
18      <p>
19        <a href="http://www.internshala.com" target="_blank">Internshala</a>
20      </p>
21    </div>
22  </body>
23</html>
```

Internshala Trainings



sample.html # style.css

c: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title>Child Selectors</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <ul>
9          <li>
10         <a href="http://www.google.com" target="_blank">Google</a>
11       </li>
12       <li>
13         <a href="http://www.facebook.com" target="_blank">Facebook</a>
14       </li>
15     </ul>
16   </div>
17   <div>
18     <p>
19       <a href="http://www.internshala.com" target="_blank">Internshala</a>
20     </p>
21   </div>
22 </body>
23 </html>
```

Internshala Trainings



Child Selectors

We use the concept of parent-child hierarchy to select any HTML element.

sample.html # style.css

```
c: > xampp > htdocs > project > sample.html > ...
1   <html>
2     <head>
3       <title>Child Selectors</title>
4       <link rel="stylesheet" href="css/style.css"/>
5     </head>
6     <body>
7       <div>
8         <ul>
9           <li>
10            <a href="http://www.google.com" target="_blank">Google</a>
11          </li>
12          <li>
13            <a href="http://www.facebook.com" target="_blank">Facebook</a>
14          </li>
15        </ul>
16      </div>
17      <div>
18        <p>
19          <a href="http://www.internshala.com" target="_blank">Internshala</a>
20        </p>
21      </div>
22    </body>
23  </html>
```

Internshala Trainings

```
sample.html # style.css
c > xampp > htdocs > project > sample.html > ...
1  <html>
2   <head>
3     <title>Child Selectors</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <ul>
9         <li>
10        <a href="http://www.google.com" target="_blank">Google</a>
11      </li>
12      <li>
13        <a href="http://www.facebook.com" target="_blank">Facebook</a>
14      </li>
15    </ul>
16  </div>
17  <div>
18    <p>
19      <a href="http://www.internshala.com" target="_blank">Internshala</a>
20    </p>
21  </div>
22 </body>
23 </html>
```

Internshala Trainings

sample.html # style.css

```
c: > xampp > htdocs > project > sample.html > ...
1   <html>
2     <head>
3       <title>Child Selectors</title>
4       <link rel="stylesheet" href="css/style.css"/>
5     </head>
6     <body>
7       <div>
8         <ul>
9           <li>
10            <a href="http://www.google.com" target="_blank">Google</a>
11           </li>
12           <li>
13             <a href="http://www.facebook.com" target="_blank">Facebook</a>
14           </li>
15         </ul>
16       </div>
17       <div>
18         <p>
19           <a href="http://www.internshala.com" target="_blank">Internshala</a>
20         </p>
21       </div>
22     </body>
23   </html>
```



Internshala Trainings

```
sample.html # style.css  
c > xampp > htdocs > project > sample.html > ...  
1  <html>  
2    <head>  
3      <title>Child Selectors</title>  
4      <link rel="stylesheet" href="css/style.css"/>  
5    </head>  
6    <body>  
7      <div>  
8        <ul>  
9          <li>  
10         <a href="http://www.google.com" target="_blank">Google</a>  
11       </li>  
12       <li>  
13         <a href="http://www.facebook.com" target="_blank">Facebook</a>  
14       </li>  
15     </ul>  
16   </div>  
17   <div>  
18     <p>  
19       <a href="http://www.internshala.com" target="_blank">Internshala</a>  
20     </p>  
21   </div>  
22 </body>  
23 </html>  
24
```

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HTML code

A screenshot of the Visual Studio Code interface. The title bar says "sample.html - Visual Studio Code". The left sidebar shows files "sample.html" and "# style.css". The main editor area contains the following HTML code:

```
1 <html>
2   <head>
3     <title>child Selectors</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <ul>
9         <li>
10        <a href="http://www.google.com" target="_blank">Google</a>
11      </li>
12      <li>
13        <a href="http://www.facebook.com" target="_blank">Facebook</a>
14      </li>
15    </ul>
16  </div>
17  <div>
18    <p>
19      <a href="http://www.internshala.com" target="_blank">Internshala</a>
20    </p>
21  </div>
22 </body>
23 </html>
```

CSS code

A screenshot of the Visual Studio Code interface. The title bar says "sample.html - Visual Studio Code". The left sidebar shows files "sample.html" and "# style.css". The main editor area contains the following CSS code:

```
1 p > a {
2   color: green;
3 }
```

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HTML code

A screenshot of the Visual Studio Code interface showing the file 'sample.html'. The code is as follows:

```
<!DOCTYPE html>
<html>
  <head>
    <title>child Selectors</title>
    <link rel="stylesheet" href="css/style.css"/>
  </head>
  <body>
    <div>
      <ul>
        <li>
          <a href="http://www.google.com" target="_blank">Google</a>
        </li>
        <li>
          <a href="http://www.facebook.com" target="_blank">Facebook</a>
        </li>
      </ul>
    </div>
    <div>
      <p>
        <a href="http://www.internshala.com" target="_blank">Internshala</a>
      </p>
    </div>
  </body>
</html>
```

CSS code

A screenshot of the Visual Studio Code interface showing the file 'style.css'. The code is as follows:

```
p > a {
  color: green;
}
```

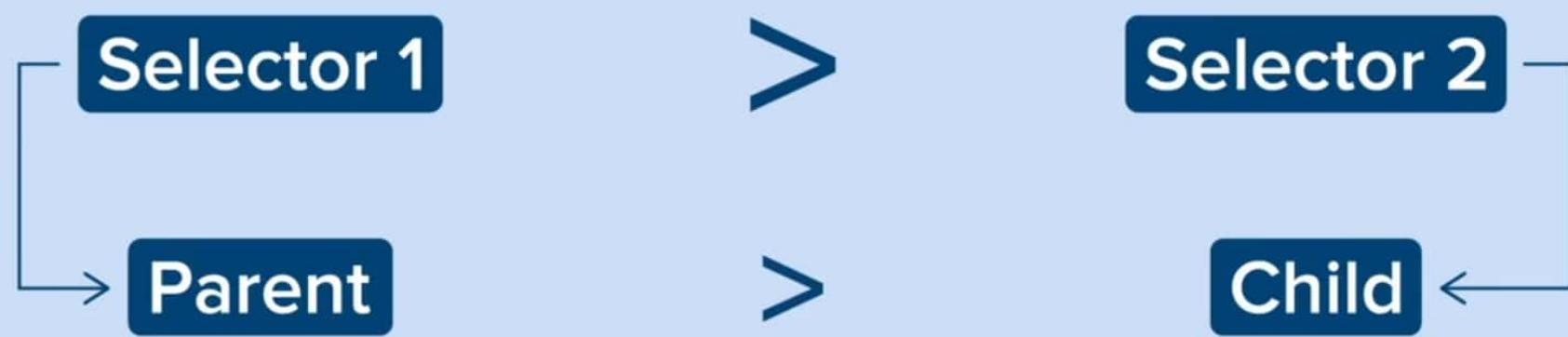
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- [Facebook](#)

[Internshala](#)

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- ⌚ What would be the CSS code, if we only want to style the first two <a> elements using child selectors?



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Descendant Selectors

We use the concept of descendants to select the HTML elements.



sample.html # style.css

c > xampp > htdocs > project > sample.html > ...

```
1  <html>
2      <head>
3          <title>Descendant Selectors</title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div>
8              <ul>
9                  <li>
10                     <a href="http://www.google.com" target="_blank">Google</a>
11                 </li>
12                 <li>
13                     <a href="http://www.facebook.com" target="_blank">Facebook</a>
14                 </li>
15             </ul>
16         </div>
17         <div>
18             <p>
19                 <a href="http://www.internshala.com" target="_blank">Internshala</a>
20             </p>
21         </div>
22     </body>
23 </html>
```

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HTML code

```
<html>
  <head>
    <title>Descendant Selectors</title>
    <link rel="stylesheet" href="css/style.css"/>
  </head>
  <body>
    <div>
      <ul>
        <li>
          <a href="http://www.google.com" target="_blank">Google</a>
        </li>
        <li>
          <a href="http://www.facebook.com" target="_blank">Facebook</a>
        </li>
      </ul>
    </div>
    <p>
      <a href="http://www.internshala.com" target="_blank">Internshala</a>
    </p>
  </body>
</html>
```

CSS code

```
div a {
  color: green;
}
```

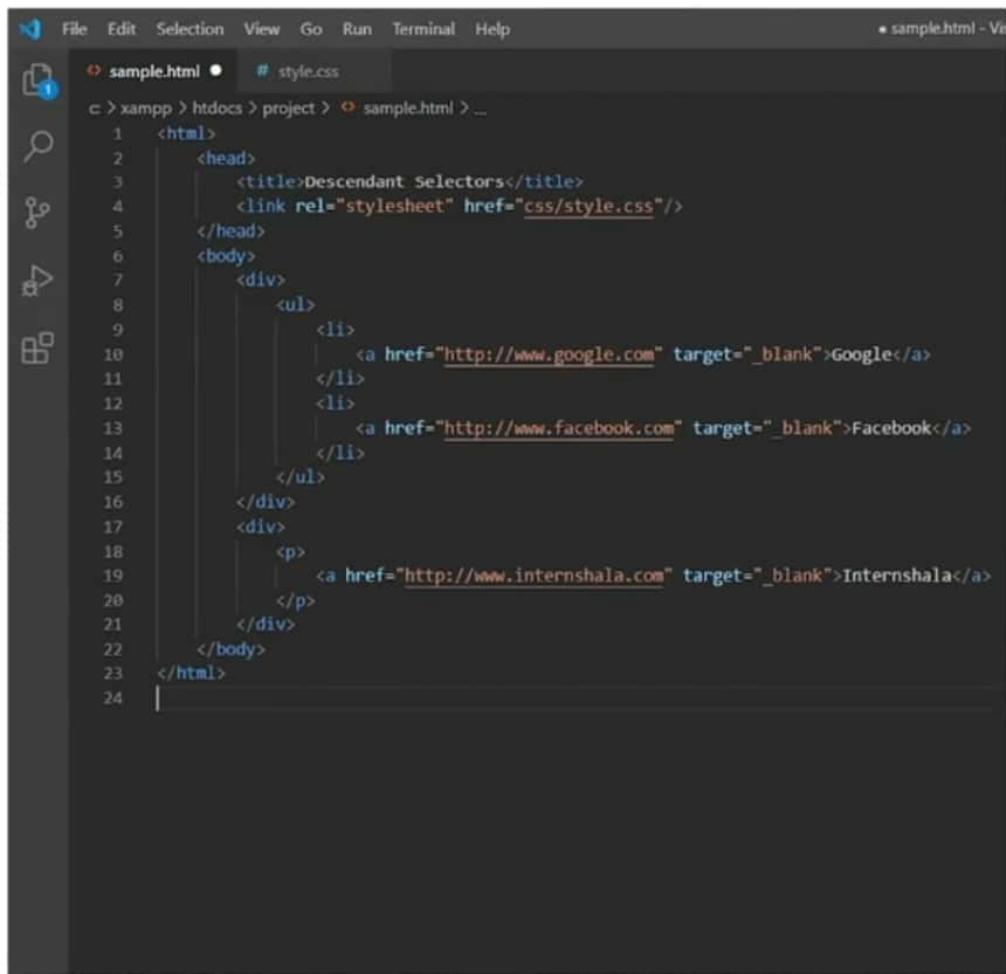
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The screenshot shows a code editor interface with two tabs: "sample.html" and "# style.css". The "sample.html" tab is active, displaying the following HTML code:

```
c > xampp > htdocs > project > sample.html > ...
1 <html>
2   <head>
3     <title>Descendant Selectors</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <ul>
9         <li>
10        <a href="http://www.google.com" target="_blank">Google</a>
11      </li>
12      <li>
13        <a href="http://www.facebook.com" target="_blank">Facebook</a>
14      </li>
15    </ul>
16  </div>
17  <div>
18    <p>
19      <a href="http://www.internshala.com" target="_blank">Internshala</a>
20    </p>
21  </div>
22 </body>
23 </html>
```

What would be CSS code, if we only want to style the first two `<a>` elements using descendant selectors?



Grouping Selectors

They help us to apply the same style to multiple sections of elements.



sample.html X

C: > xampp > htdocs > sample.html > ...

```
1  <html>
2      <head>
3          <title>Grouping Selectors</title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div>
8              <h1> This is heading 1. </h1>
9              <h2>This is a heading.</h2>
10             <p>This is paragraph 1.</p>
11             <p>This is paragraph 2.</p>
12         </div>
13     </body>
14 </html>
15
```

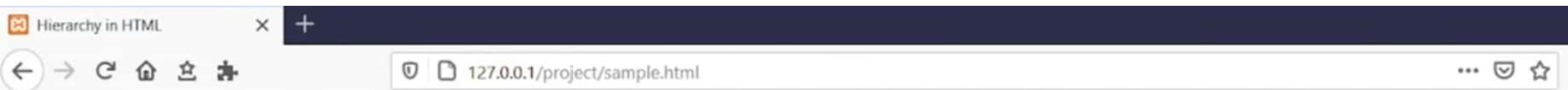
HTML code

```
<File Edit Selection View Go Run Terminal Help>  
sample.html X  
C > xampp > htdocs > sample.html > ...  
1 <html>  
2   <head>  
3     <title>Grouping Selectors</title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <div>  
8       <h1> This is heading 1. </h1>  
9       <h2>This is a heading.</h2>  
10      <p>This is paragraph 1.</p>  
11      <p>This is paragraph 2.</p>  
12     </div>  
13   </body>  
14 </html>  
15
```

CSS code

```
<File Edit Selection View Go Run Terminal Help>  
sample.html # style.css X  
C > xampp > htdocs > project > css > # style.css > ...  
1 p, h2 {  
2   color: blue;  
3 }  
4
```

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This is heading 1.

This is a heading.

This is paragraph 1.

This is paragraph 2.

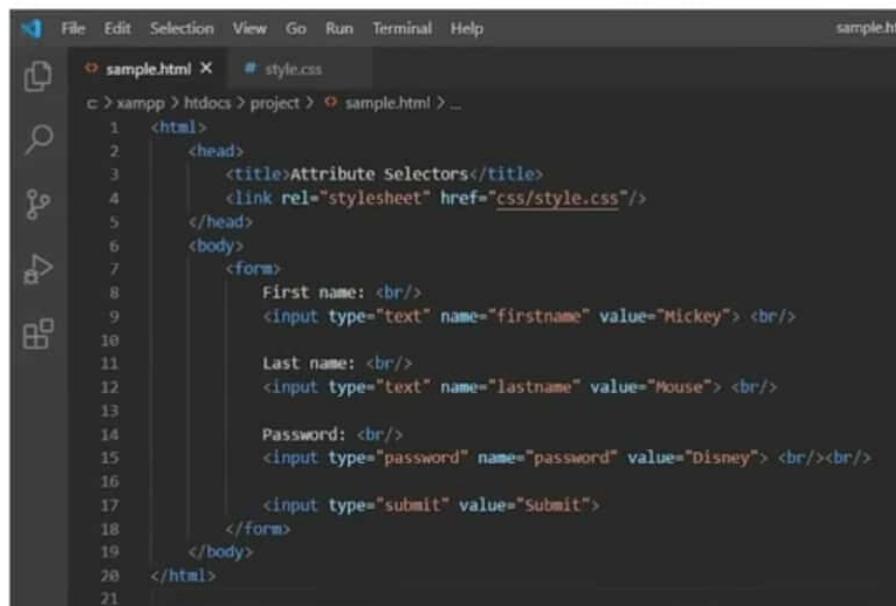
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Attribute Selectors

Internshala Trainings

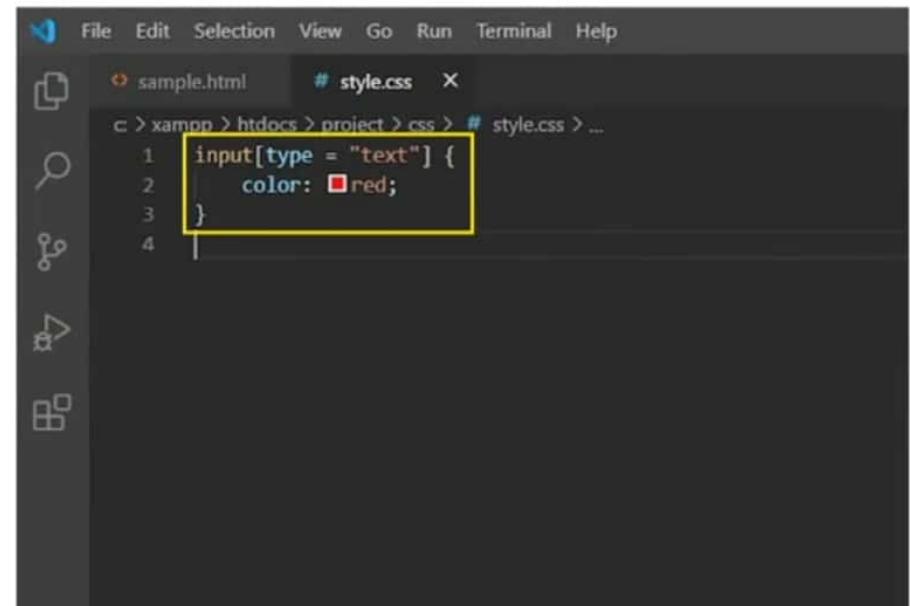
```
sample.html # style.css  
c:\xampp\htdocs\project\sample.html ...  
1 <html>  
2   <head>  
3     <title>Attribute Selectors</title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <form>  
8       First name: <br/>  
9       <input type="text" name="firstname" value="Mickey"> <br/>  
10  
11      Last name: <br/>  
12      <input type="text" name="lastname" value="Mouse"> <br/>  
13  
14      Password: <br/>  
15      <input type="password" name="password" value="Disney"> <br/><br/>  
16  
17      <input type="submit" value="Submit">  
18    </form>  
19  </body>  
20 </html>  
21
```

HTML code



```
File Edit Selection View Go Run Terminal Help
sample.html # style.css
c > xampp > htdocs > project > sample.html > ...
1 <html>
2   <head>
3     <title>Attribute Selectors</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <form>
8       First name: <br/>
9       <input type="text" name="firstname" value="Mickey"> <br/>
10
11      Last name: <br/>
12      <input type="text" name="lastname" value="Mouse"> <br/>
13
14      Password: <br/>
15      <input type="password" name="password" value="Disney"> <br/><br/>
16
17      <input type="submit" value="Submit">
18    </form>
19  </body>
20</html>
21
```

CSS code



```
File Edit Selection View Go Run Terminal Help
sample.html # style.css
c > xampp > htdocs > project > css > style.css > ...
1 input[type = "text"] {
2   color: red;
3 }
4
```

Attribute Selectors X +

First name:

Last name:

Password:

127.0.0.1/project/sample.html

... 🌐 ⚡ ⭐

Internshala Trainings

Module 2 > Topic 3 > Video 1

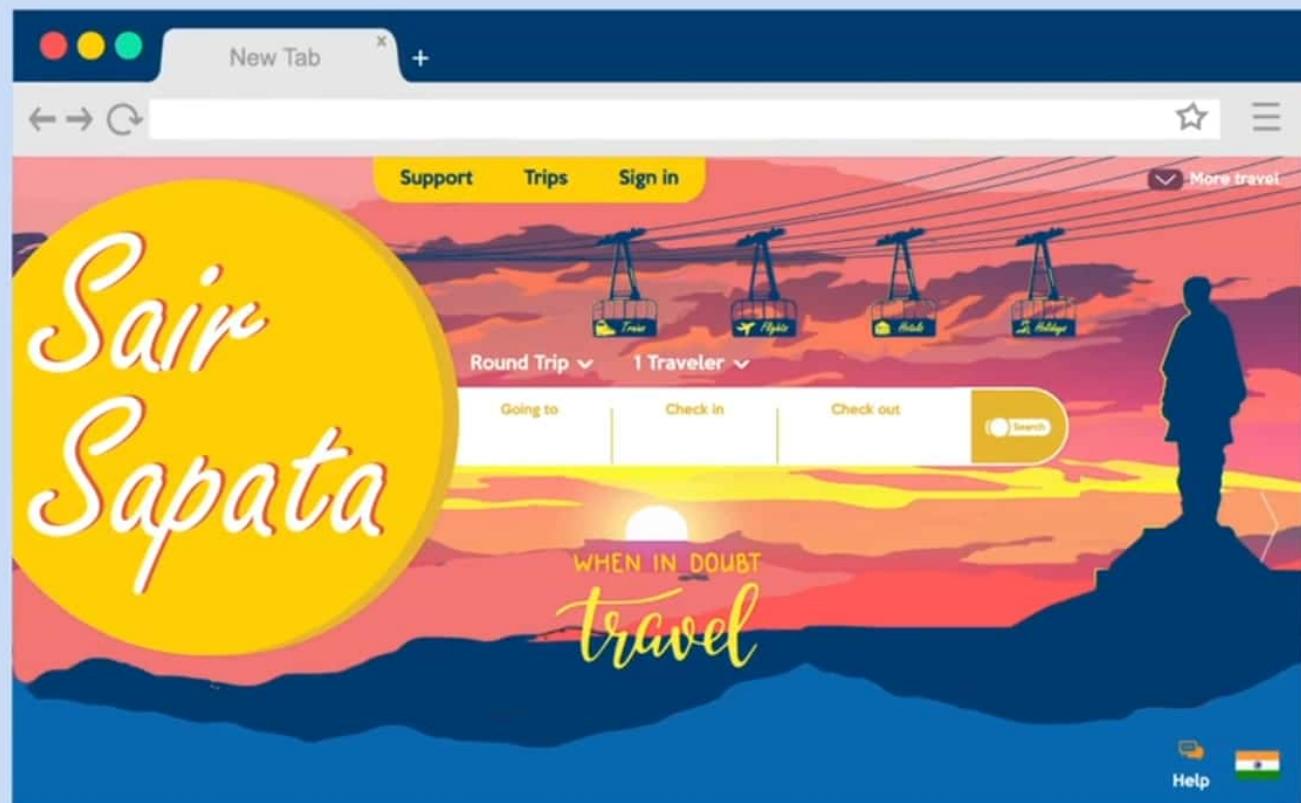
Pixels



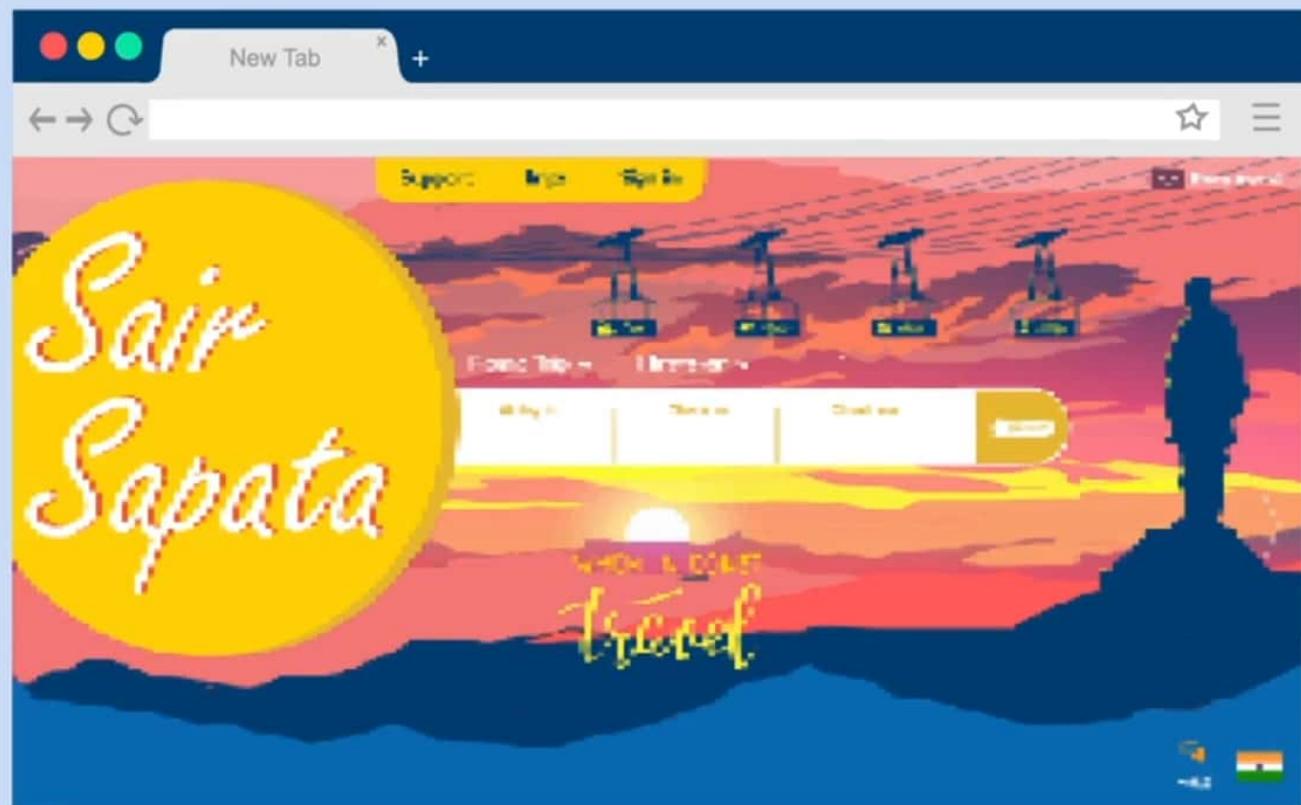
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Learning objectives

- Explain pixels.
- Understand the concept of logical and physical resolution.
- Understand the concept of CSS pixels and device pixels.



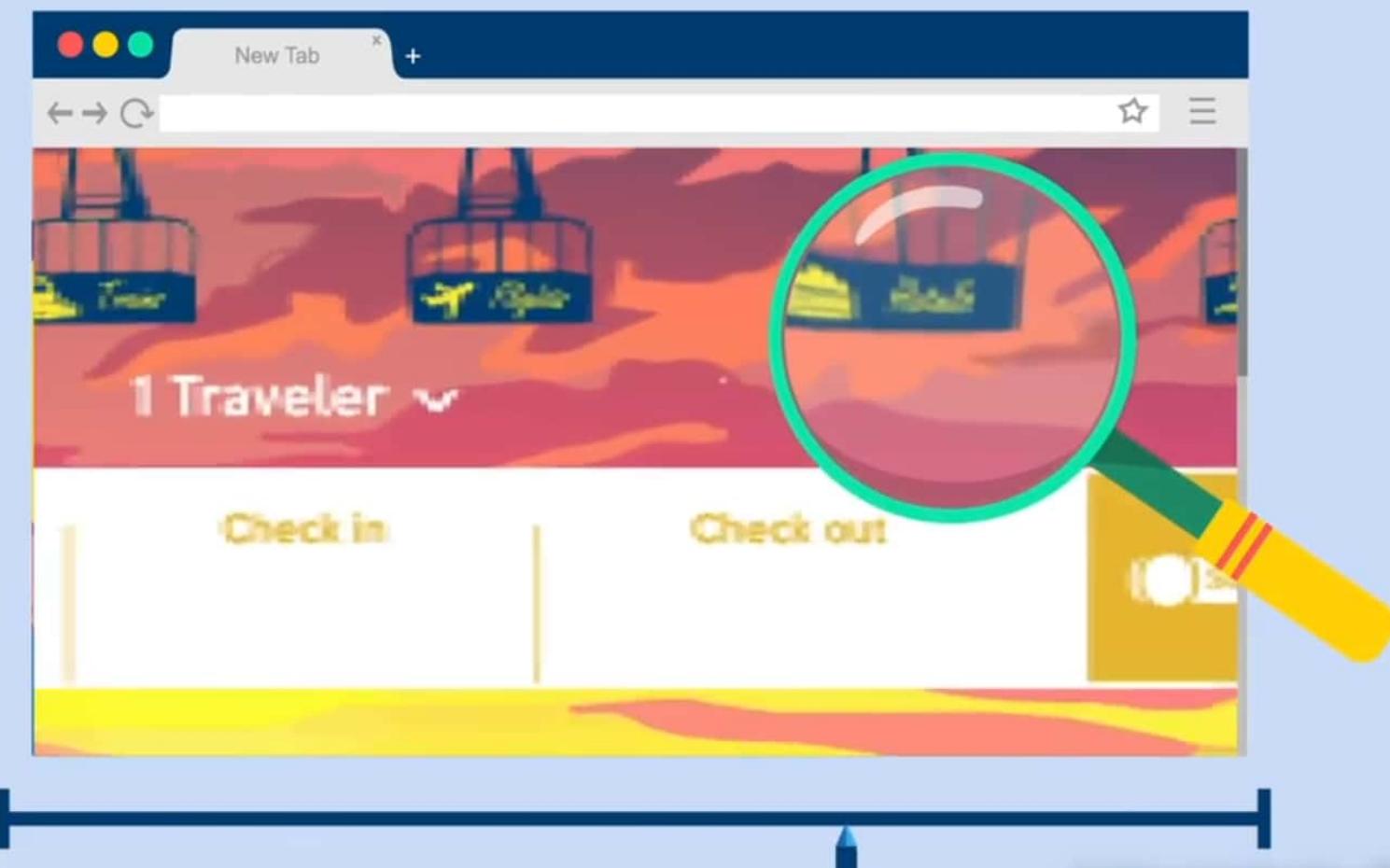
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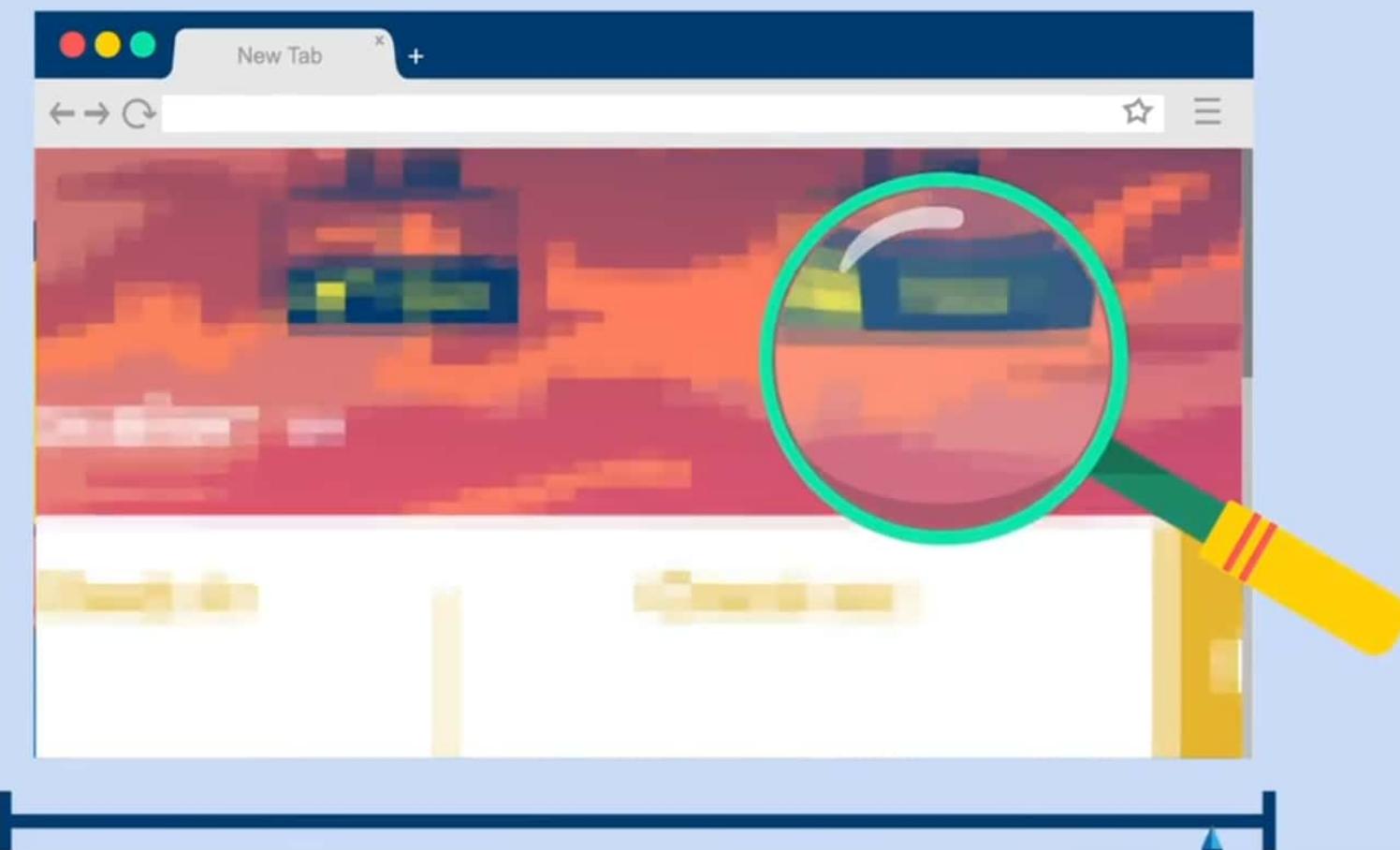


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Pixel

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Pixel



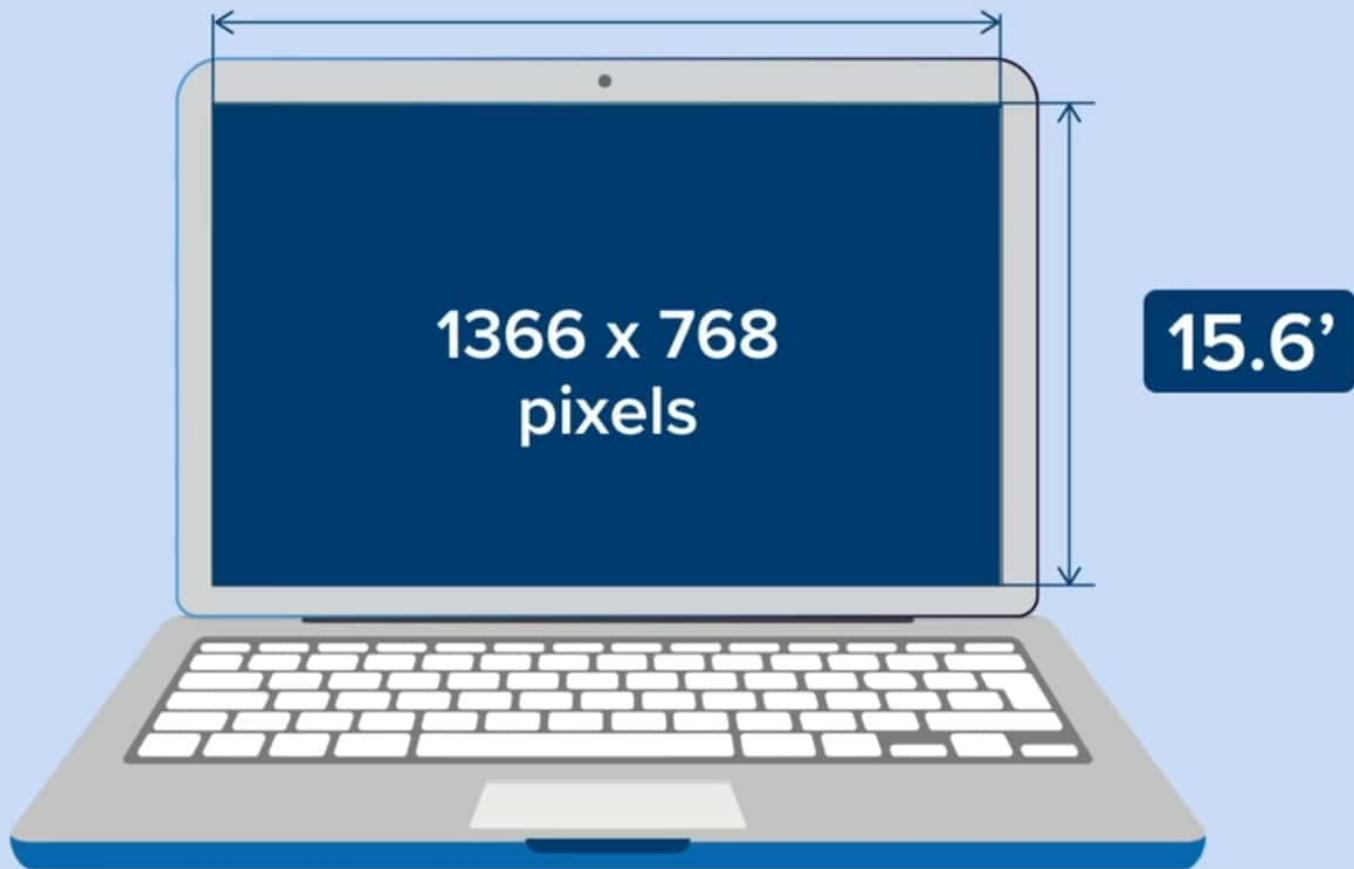
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Screen resolution



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My laptop



Internshala Trainings

My laptop



15.6'

Friend's laptop



15.6'

Internshala Trainings

My laptop



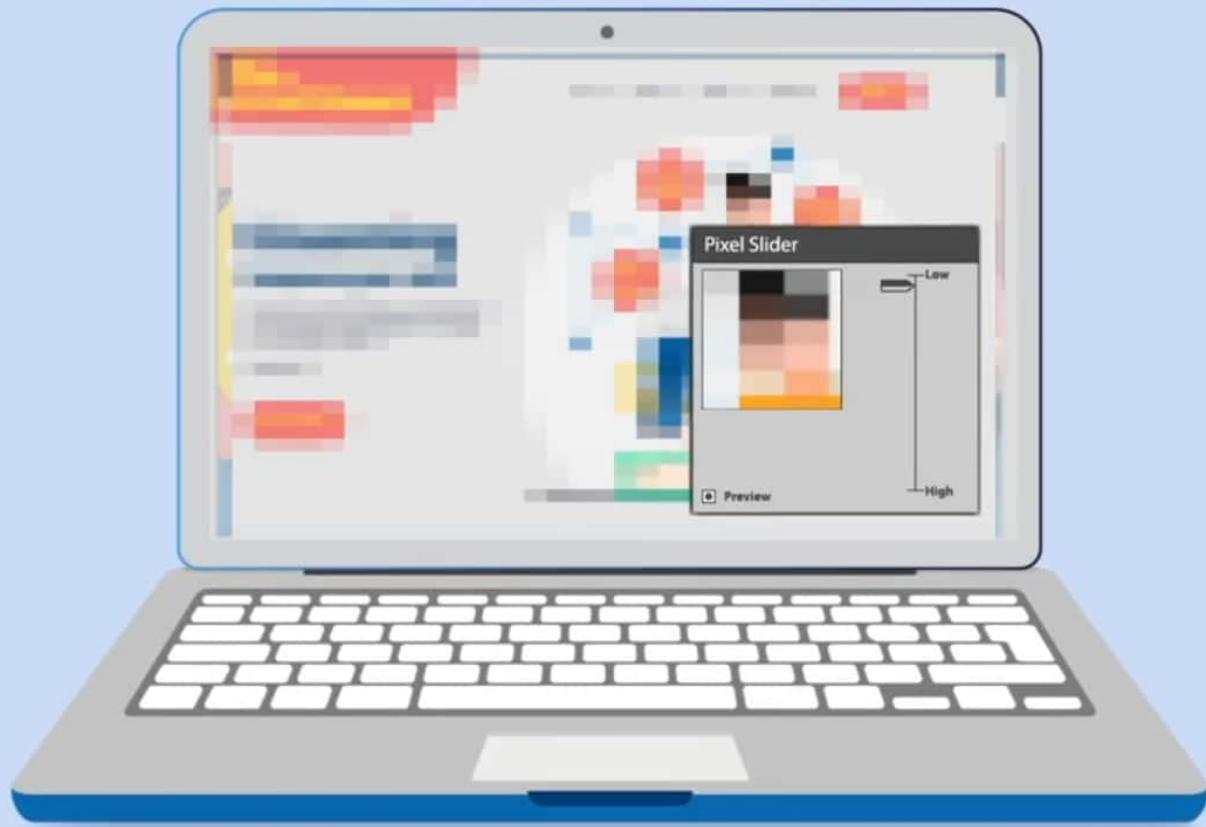
Friend's laptop



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1-day internship at Internshala - +

youtube.com/watch?v=6pKAaj8R64Y

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internshala

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30,969 views • Feb 27, 2019

0:12 / 2:55

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Type here to search

36°C Haze ENG

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Apni Kaksha 565K views • 1 year ago

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The Geek Monk 24K views • 9 months ago

Internshala CEO - Interview: A successful start-up
Khadyot 441 views • 5 months ago

A day in the life of a United Nations intern (NYC...
Joss and Janik 388K views • 3 years ago

Interview Question: Tell Me About Yourself | Best Answer...
The Urban Fight 12M views • 2 years ago

1-day internship at Internshala

30,969 views • Feb 27, 2019

Annotations

Playback speed Normal >

Subtitles/CC (1) Off >

Quality 144p >

0:23 / 2:55

675 22 SHARE SAVE

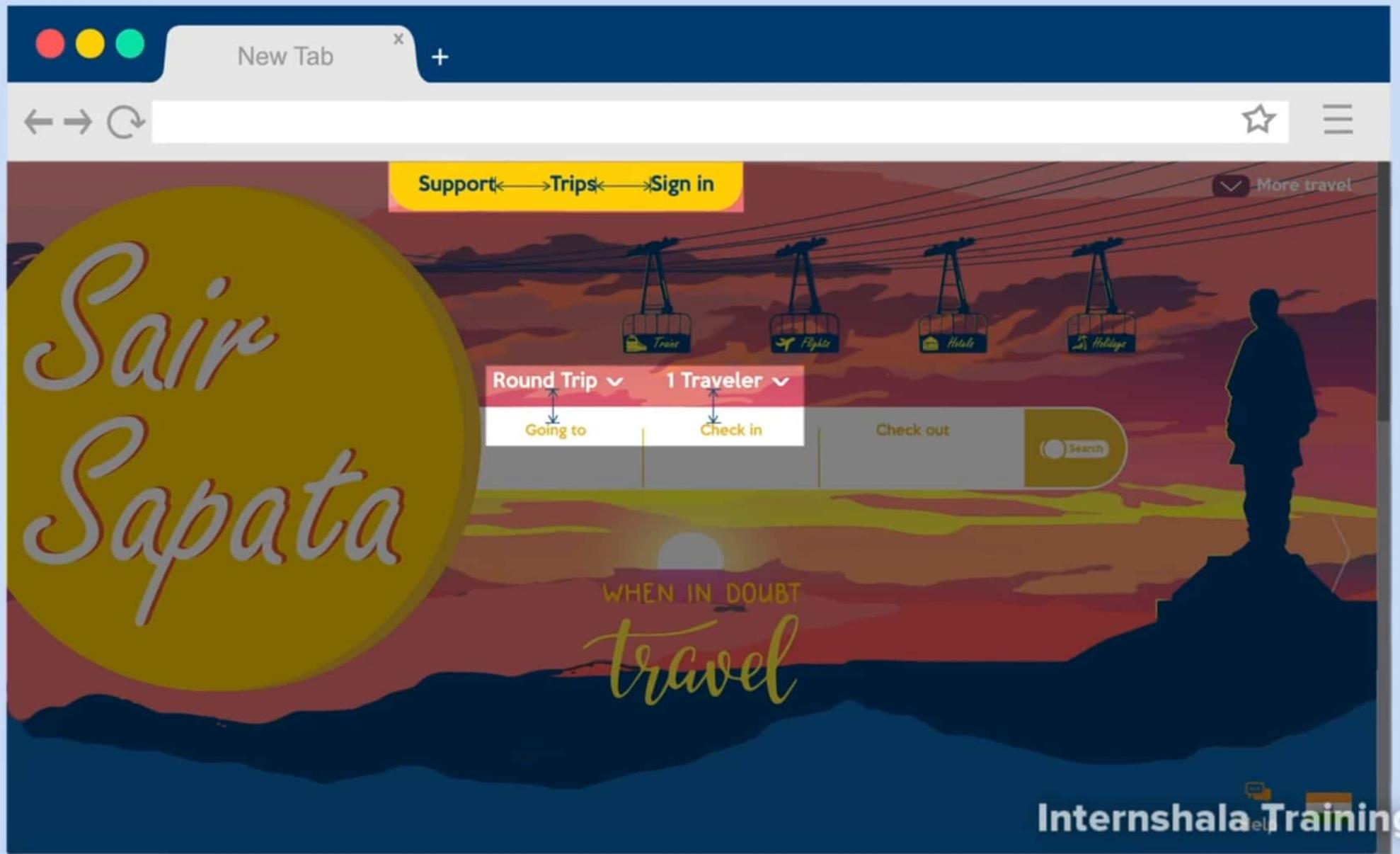
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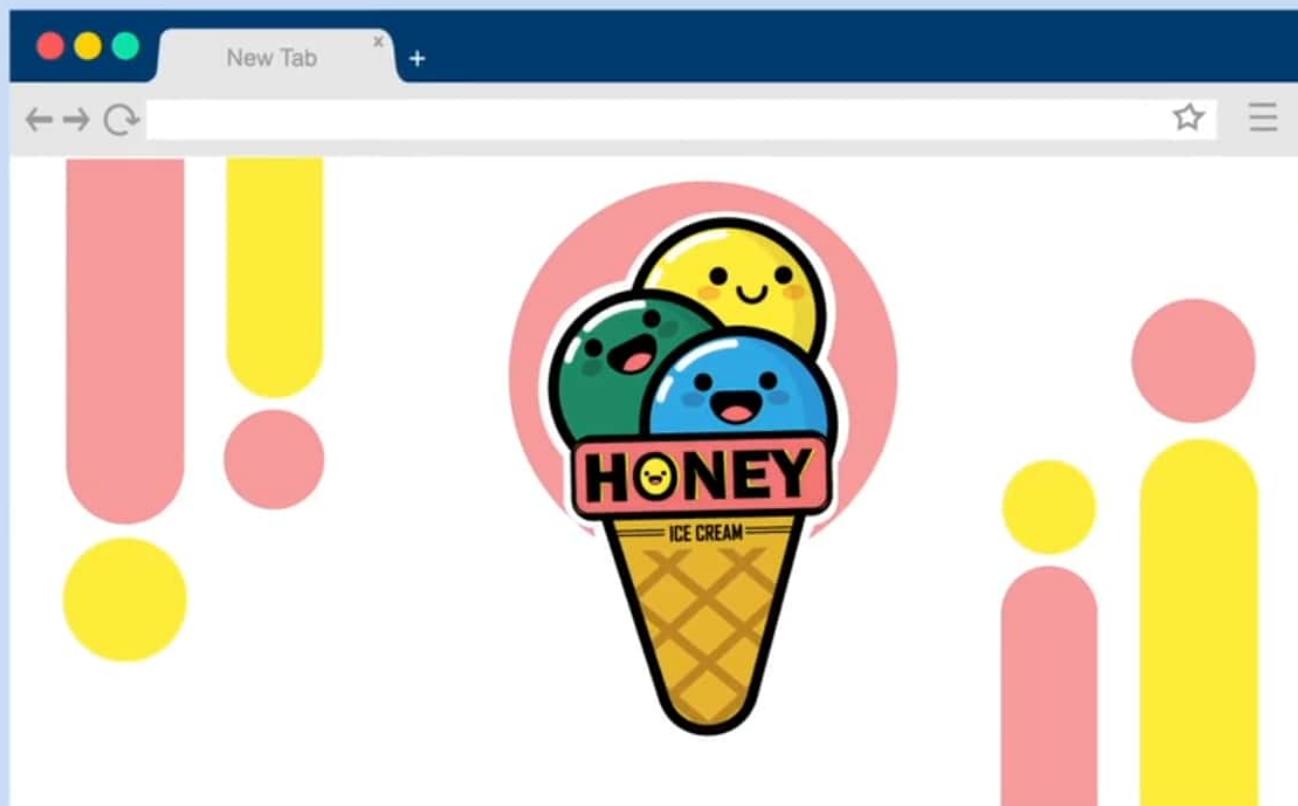
Type here to search

35°C AQI 146 ENG

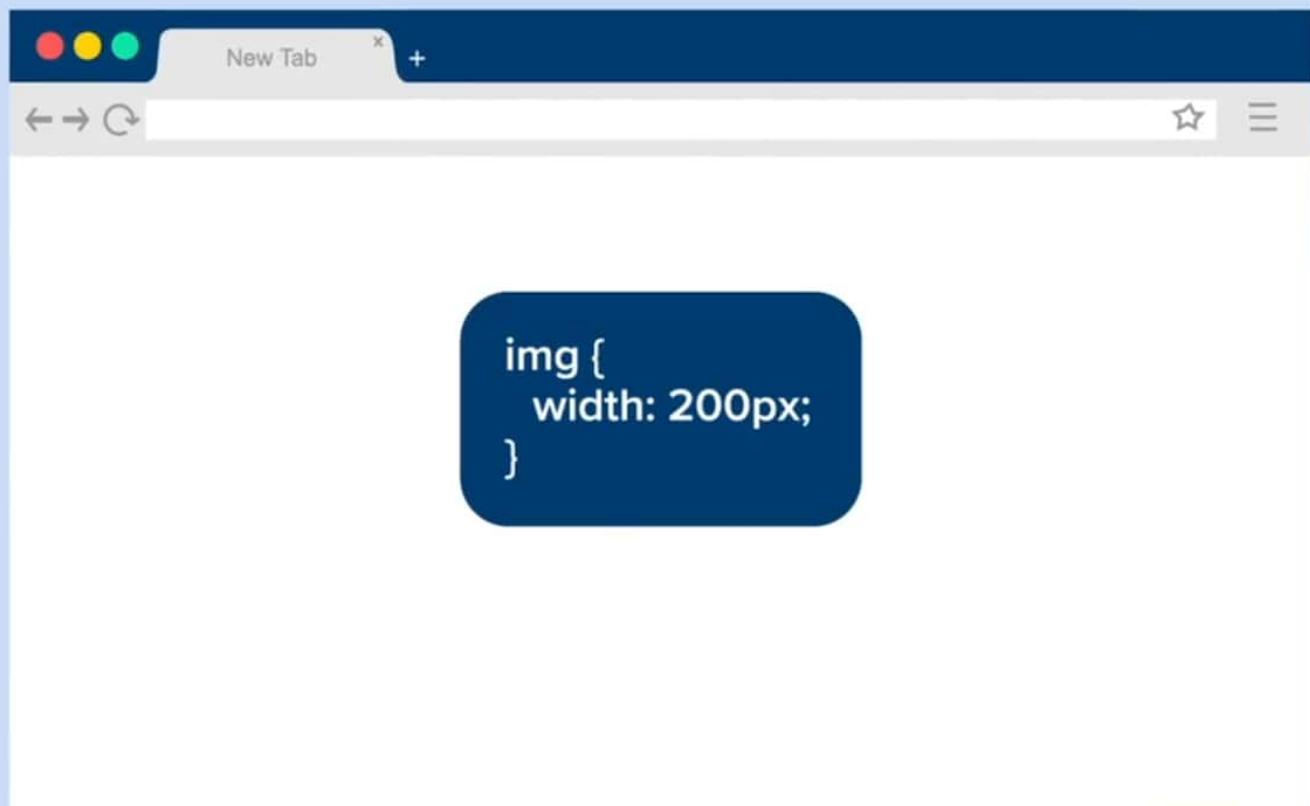
A screenshot of a YouTube video player. The main video frame shows a group of six young adults (three men and three women) sitting together indoors. A red box highlights the 'Quality' setting in the video controls, which is set to 1080p. Below the video, the title '1-day internship at Internshala' and the view count '30,969 views • Feb 27, 2019' are visible. To the right of the video, there is a sidebar with several recommended videos, including titles like 'How to get an Internship in India ? | How to crack Top...', 'Mix - Internshala', and 'How to get Internship on Internshala | Internshala...'. At the bottom of the screen, the Internshala logo and a search bar are visible.

Scanned with CamScanner





Internshala Trainings

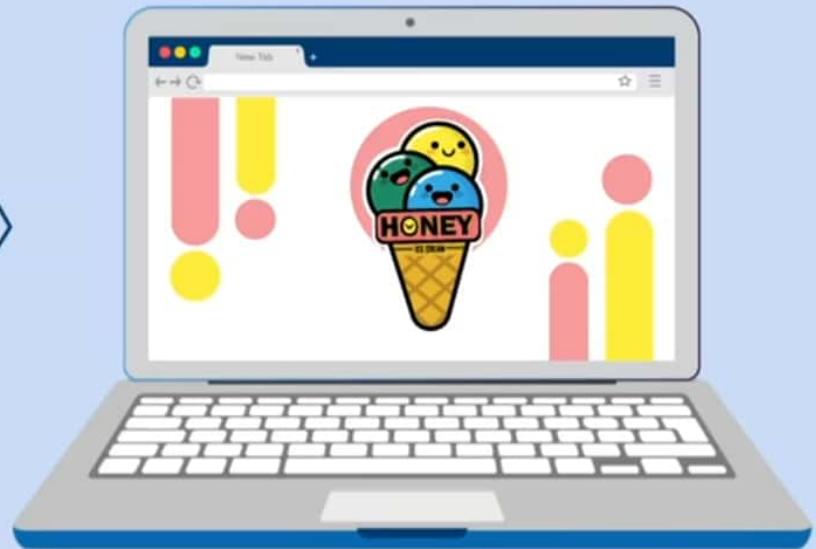


Internshala Trainings

My laptop



Friend's laptop



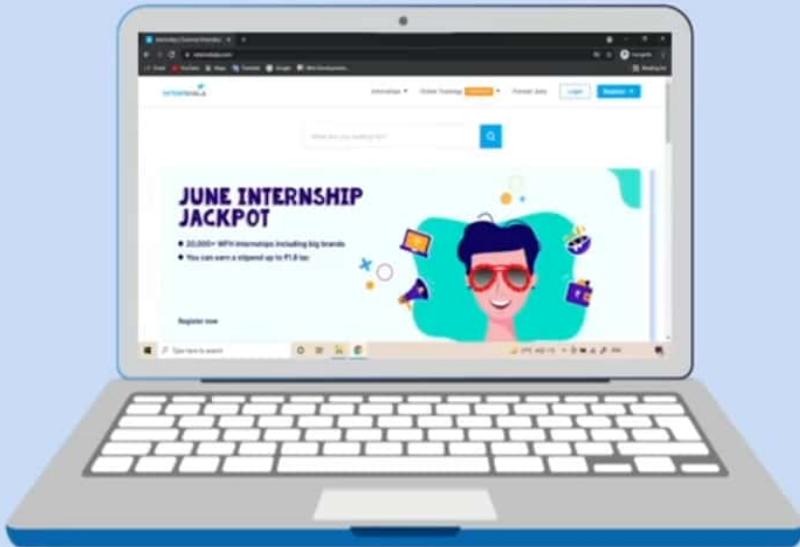
15.6'

1366 x 768 pixels

1920 x 1080 pixels

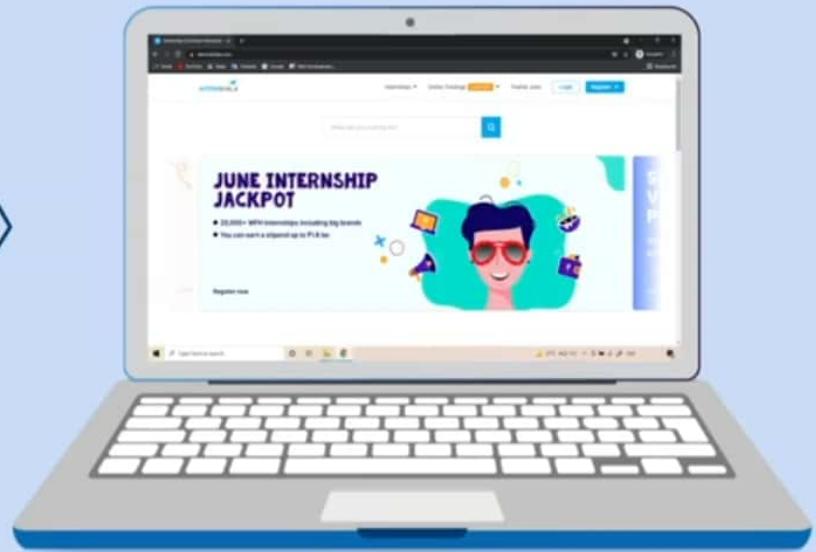
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My laptop



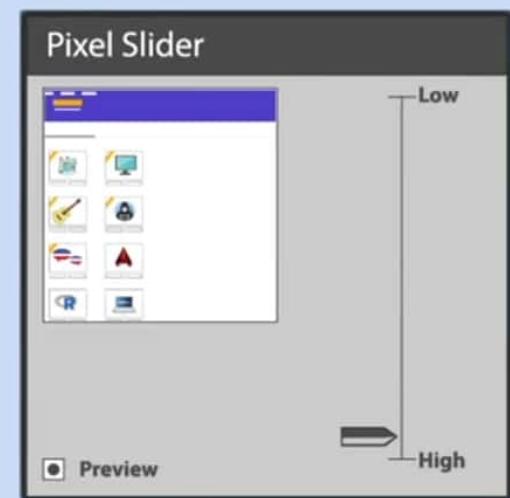
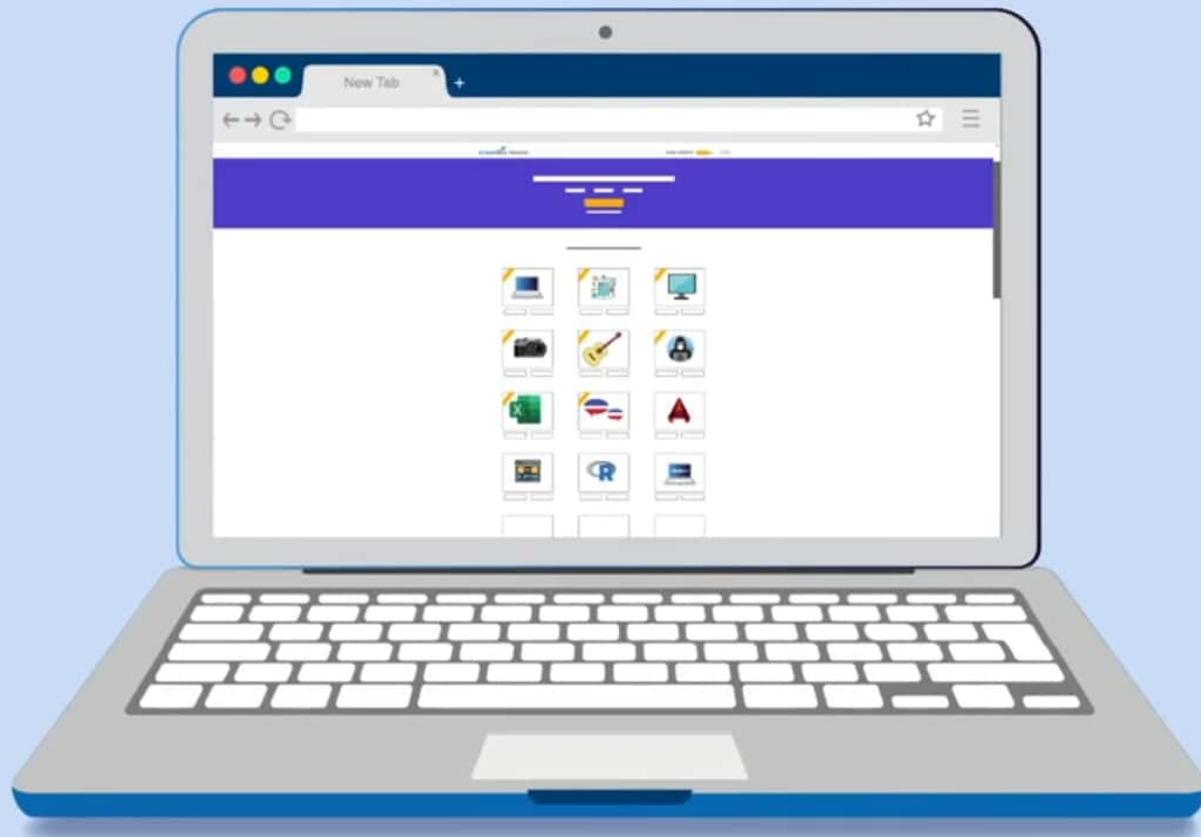
1366 x 768 pixels

Friend's laptop



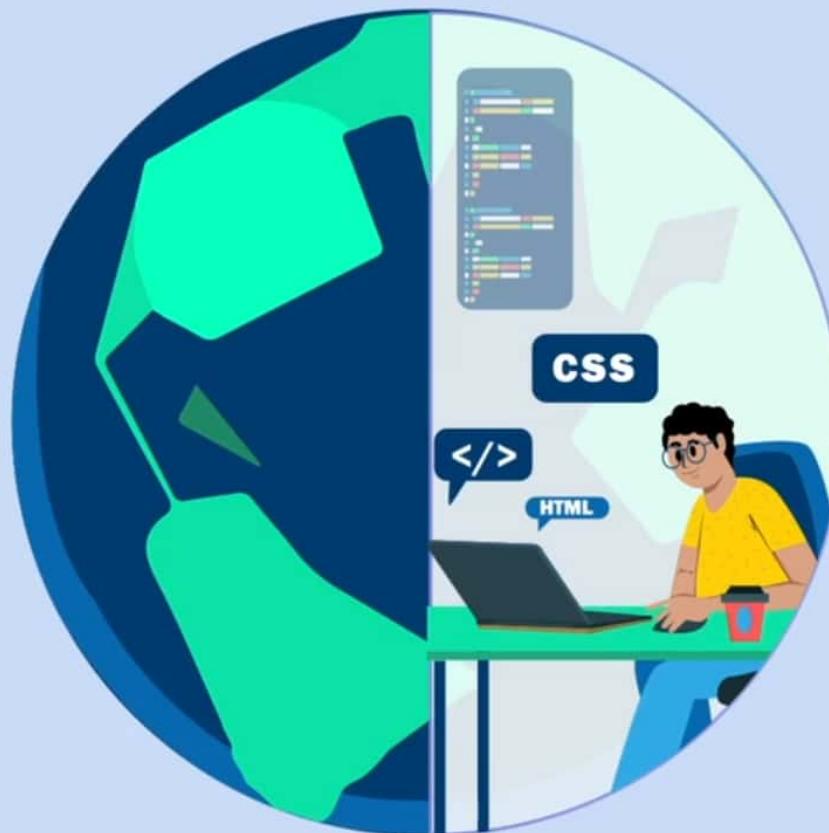
1920 x 1080 pixels

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CSS pixel and Logical resolution



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Device pixel and Physical resolution



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1366 x 768 pixels

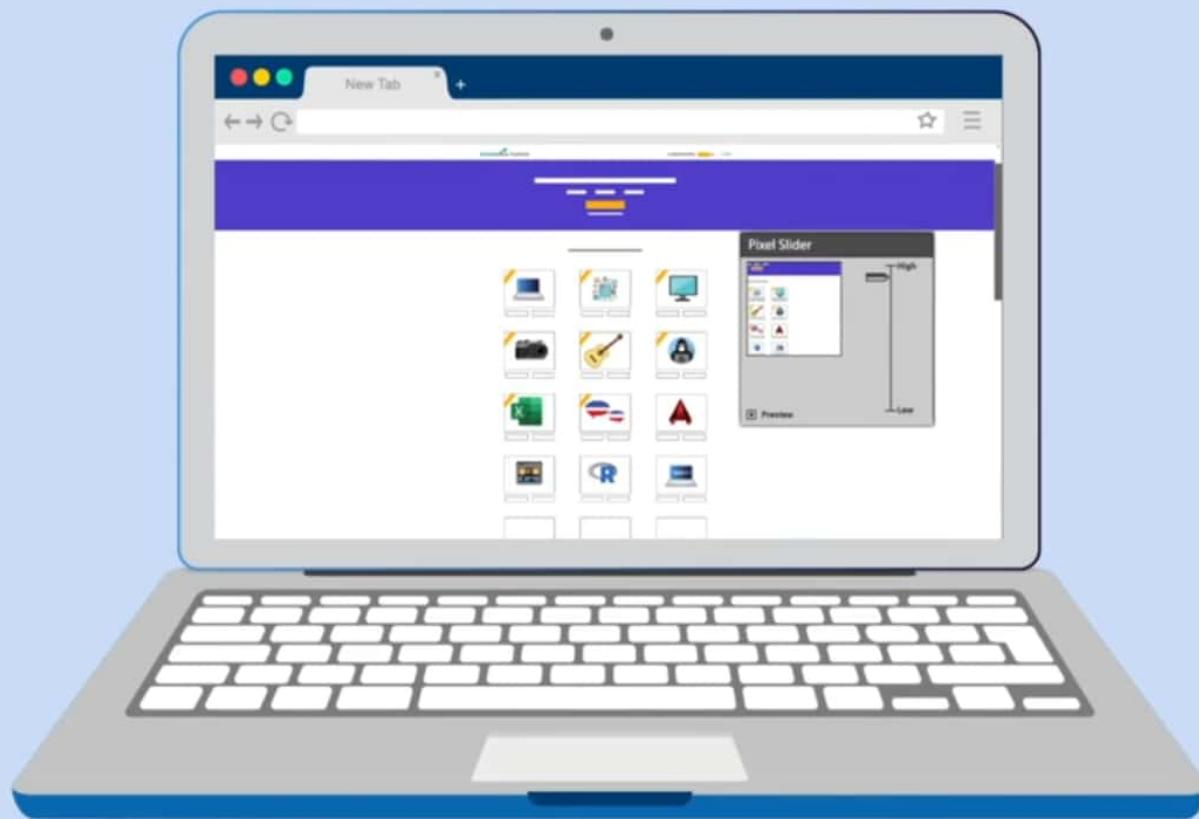
Physical resolution

1920 x 1080 pixels

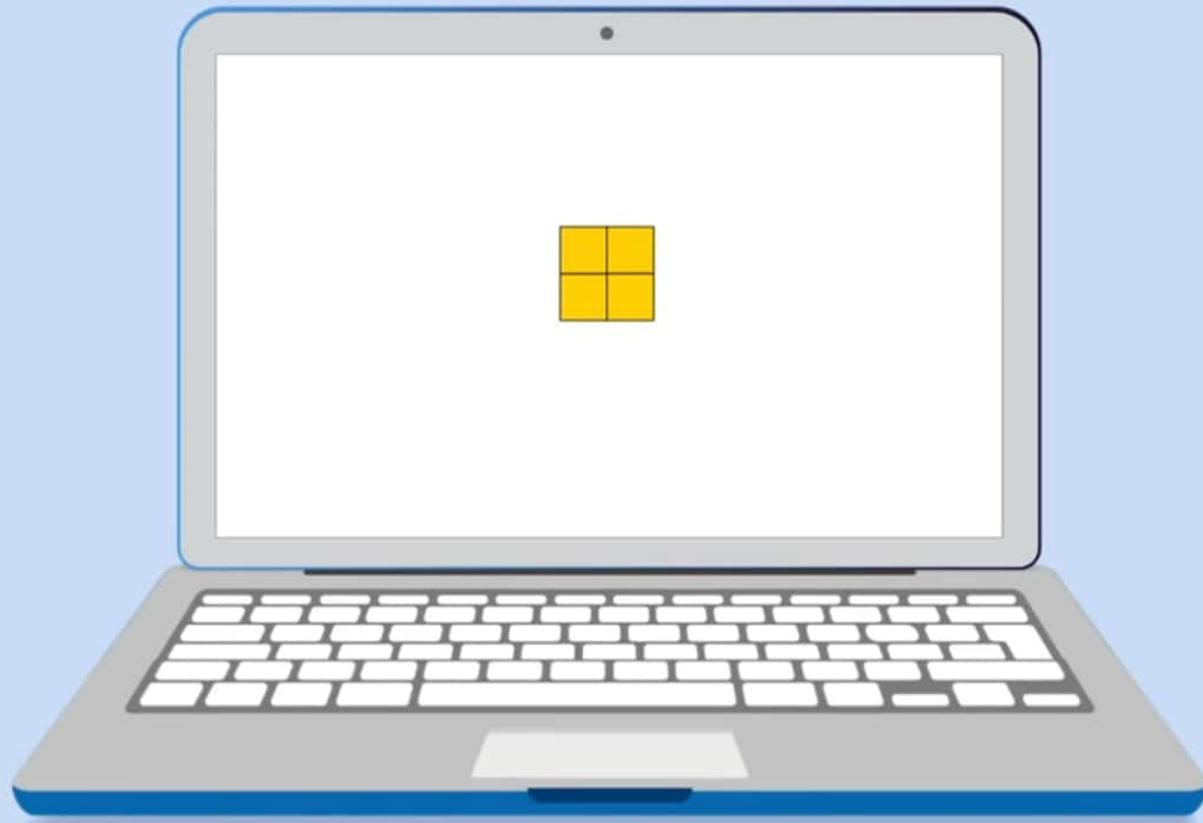
2560 x 1600 pixels

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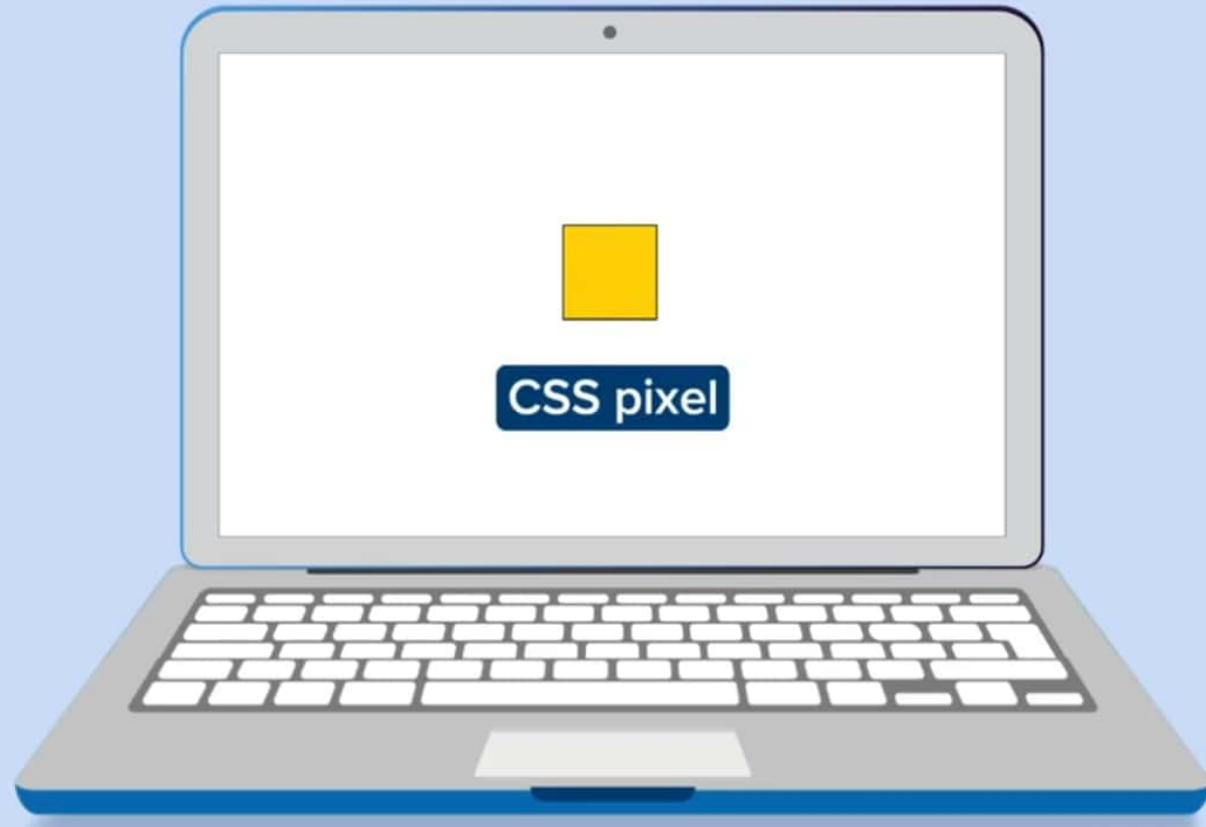
Physical resolution: 2560 x 1600



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1280 css pixels



800 css pixels

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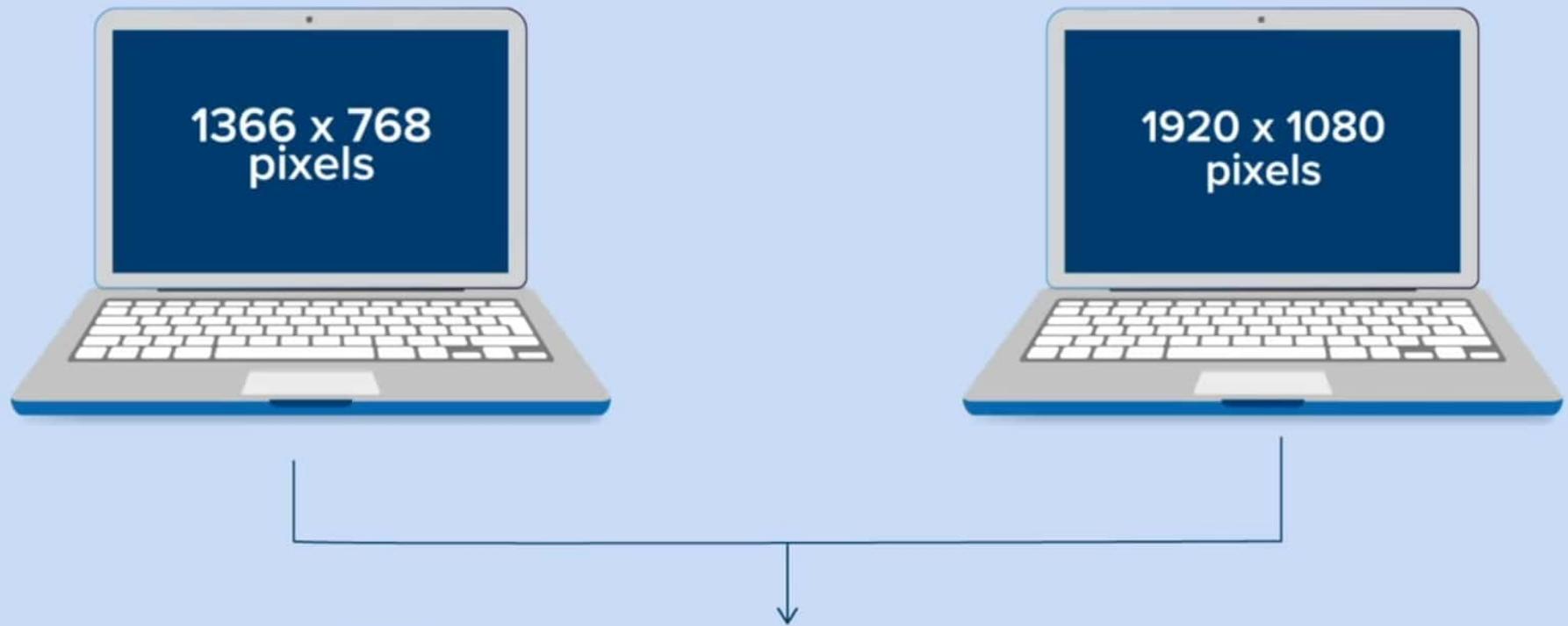


```
img {  
  width: 200px;  
}
```

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1 Device Pixel = 1 CSS Pixel

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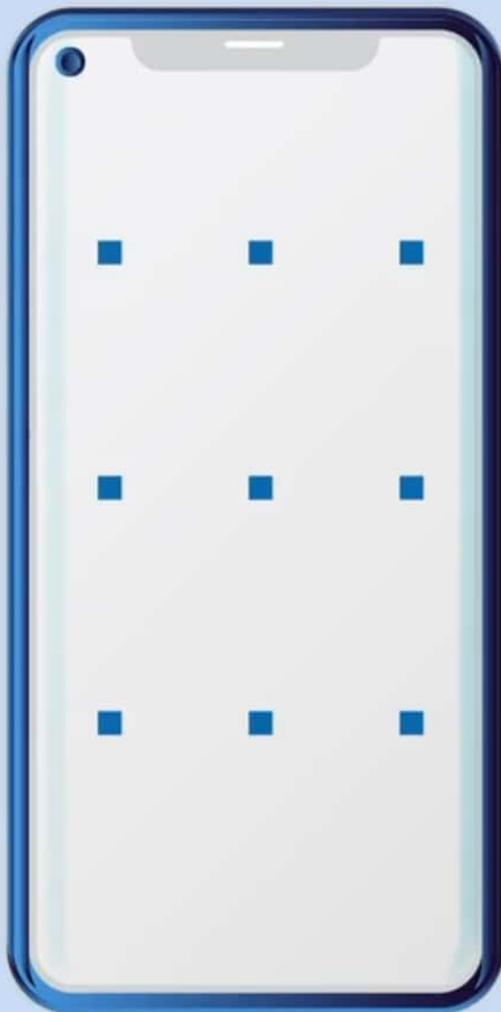
- For web development, we always deal with css pixels and not device pixels.
- Logical resolution - It is the term used to specify the number of css pixels a screen holds when dealing with web development.

Physical resolution: 1920 x 1080



Logical resolution: 640 x 360

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Mobile Specific Design



Laptop Specific Design



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Module 2 > Topic 3 > Video 2

Percentage and Color



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Learning objectives

- Explain the percentage length unit.
- List different ways to specify colors on a web page.

Percentage

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Percentage

- It is a relative length unit.
- It gets converted into pixels as the web gets rendered.
- Percentage is evaluated relative to the property of its parent element.

HTML code

A screenshot of a code editor window titled "sample.html". The file path is shown as "C: > xampp > htdocs > project > sample.html > ...". The code is as follows:

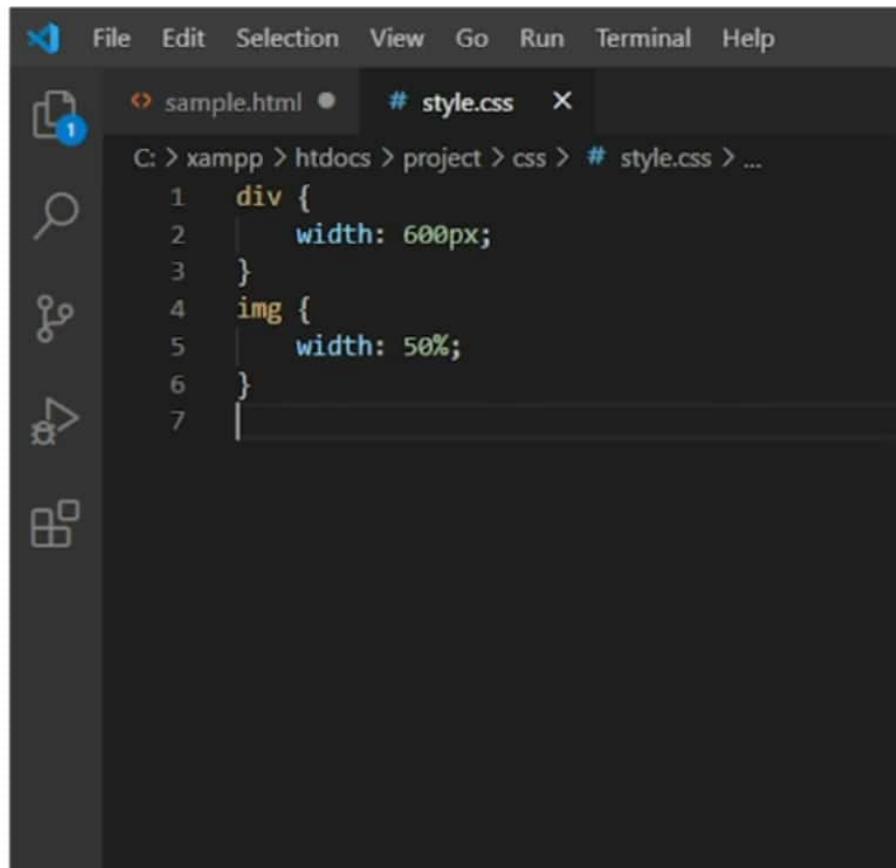
```
1 <html>
2   <head>
3     <title> Sample Code </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       
9     </div>
10   </body>
11 </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is shown as "C: > xampp > htdocs > project > css > style.css > ...". The code is as follows:

```
1 div {
2   width: 600px;
3 }
4 img {
5   width: 50%;
6 }
```

CSS code

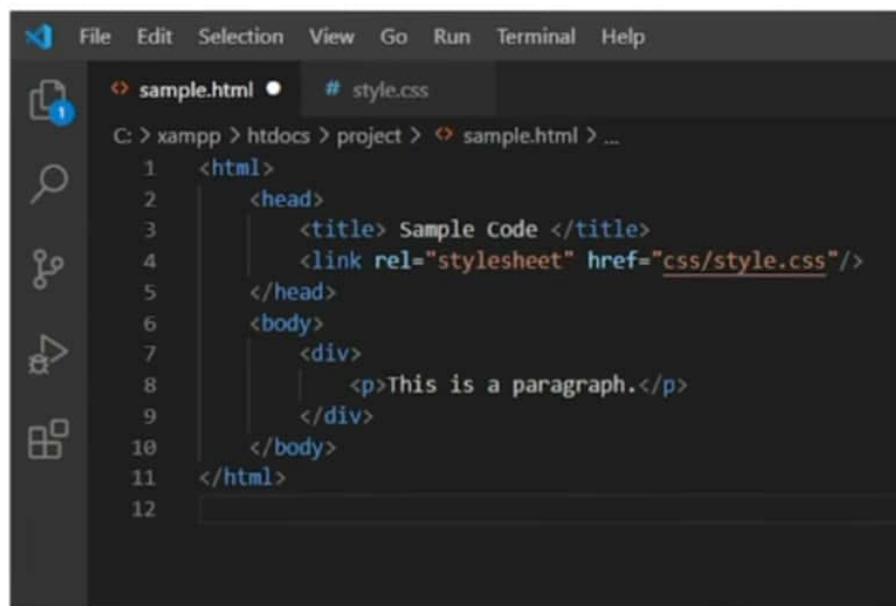


A screenshot of a code editor window. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "sample.html" and "# style.css". The file path is "C: > xampp > htdocs > project > css > # style.css > ...". The code editor contains the following CSS:

```
1 div {  
2     width: 600px;  
3 }  
4 img {  
5     width: 50%;  
6 }  
7 }
```

Parent <div> width = 600px
 width = $50/100 \times 600\text{px} = 300\text{px}$

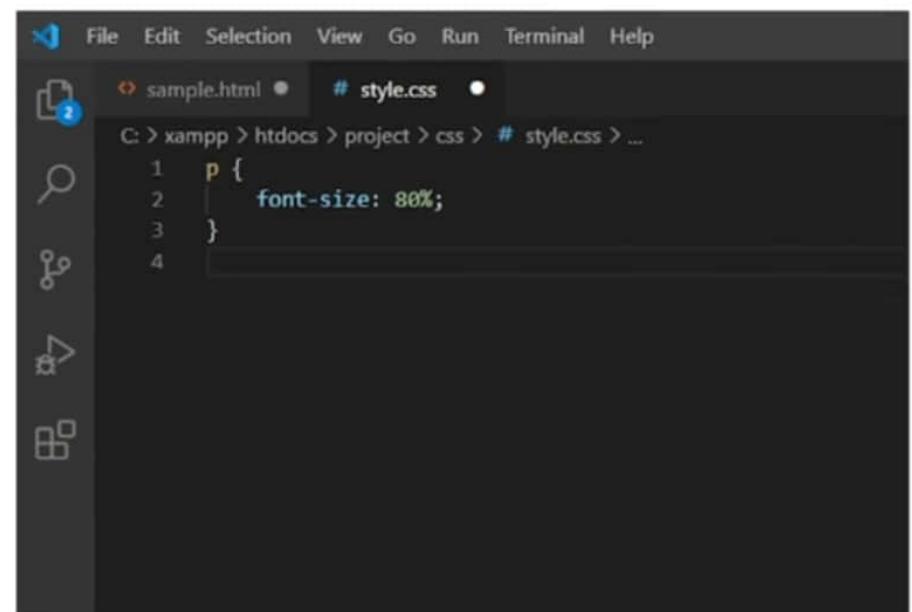
HTML code



A screenshot of a code editor interface. The left panel shows the file structure: C: >xampp >htdocs > project > sample.html > ... The right panel shows the content of sample.html:

```
1 <html>
2   <head>
3     <title> Sample Code </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>This is a paragraph.</p>
9     </div>
10   </body>
11 </html>
```

CSS code



A screenshot of a code editor interface. The left panel shows the file structure: C: >xamp >htdocs > project > css > # style.css > ... The right panel shows the content of style.css:

```
1 p {
2   font-size: 80%;
3 }
```

- What would be the font-size of paragraph if the font-size of the parent div element is 15?

- What would be the font-size of paragraph if the font-size of the parent div element is 15?

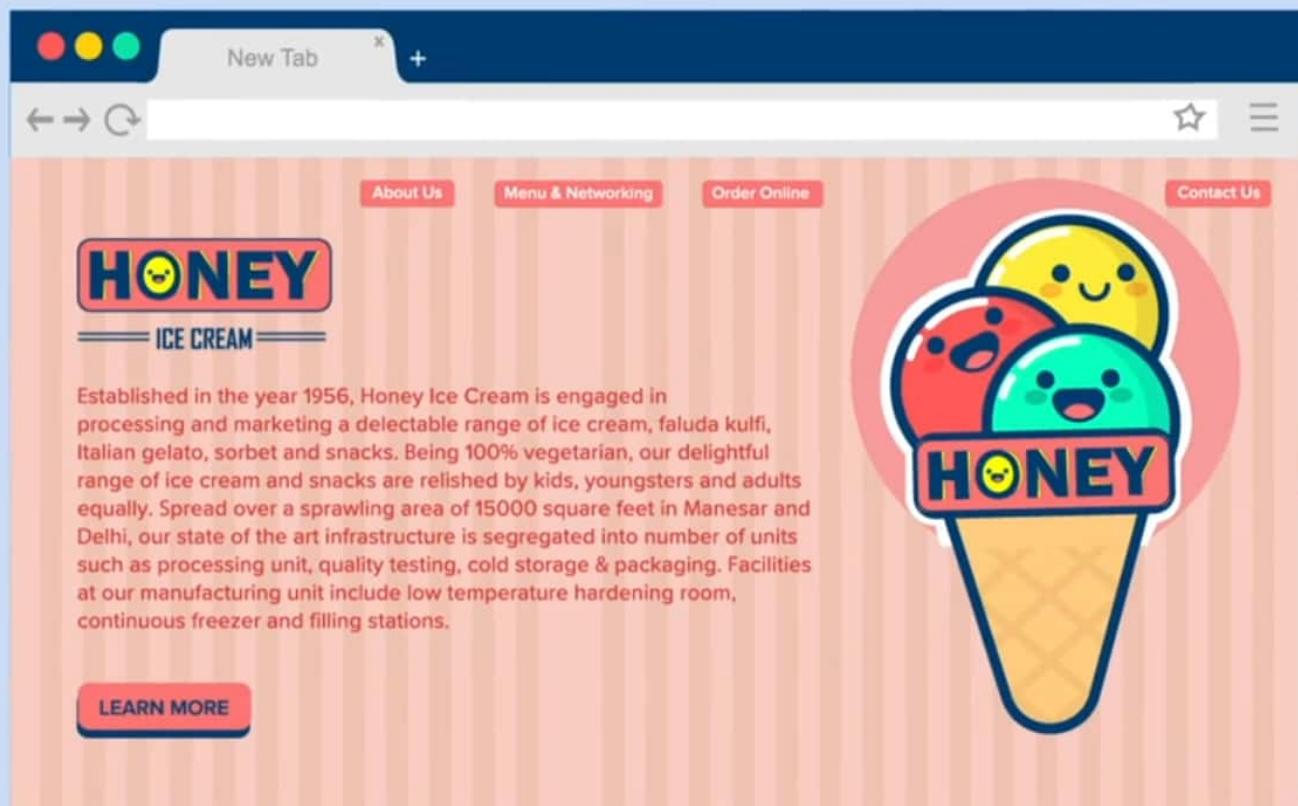
Font size of `<p>` = 80% of 15 = $80/100 * 15 = 12$



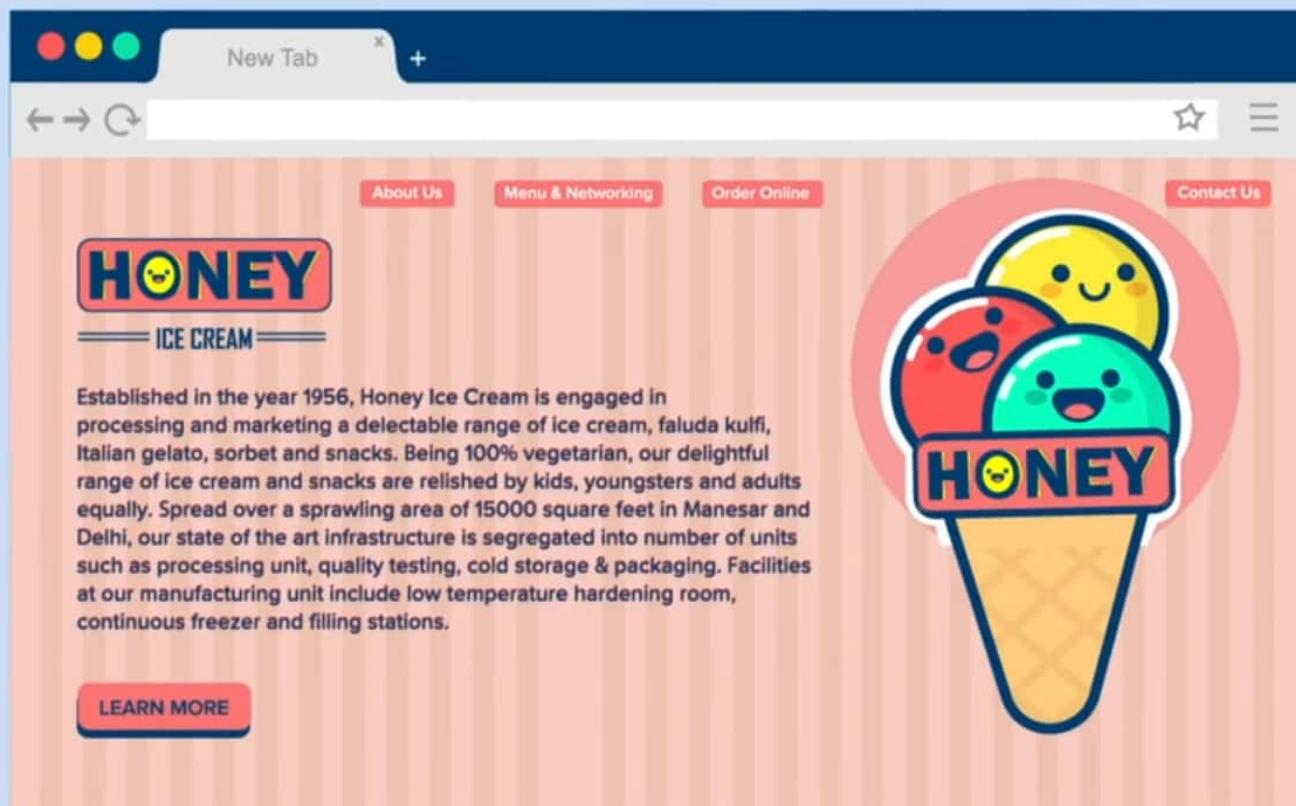
Length Units

em

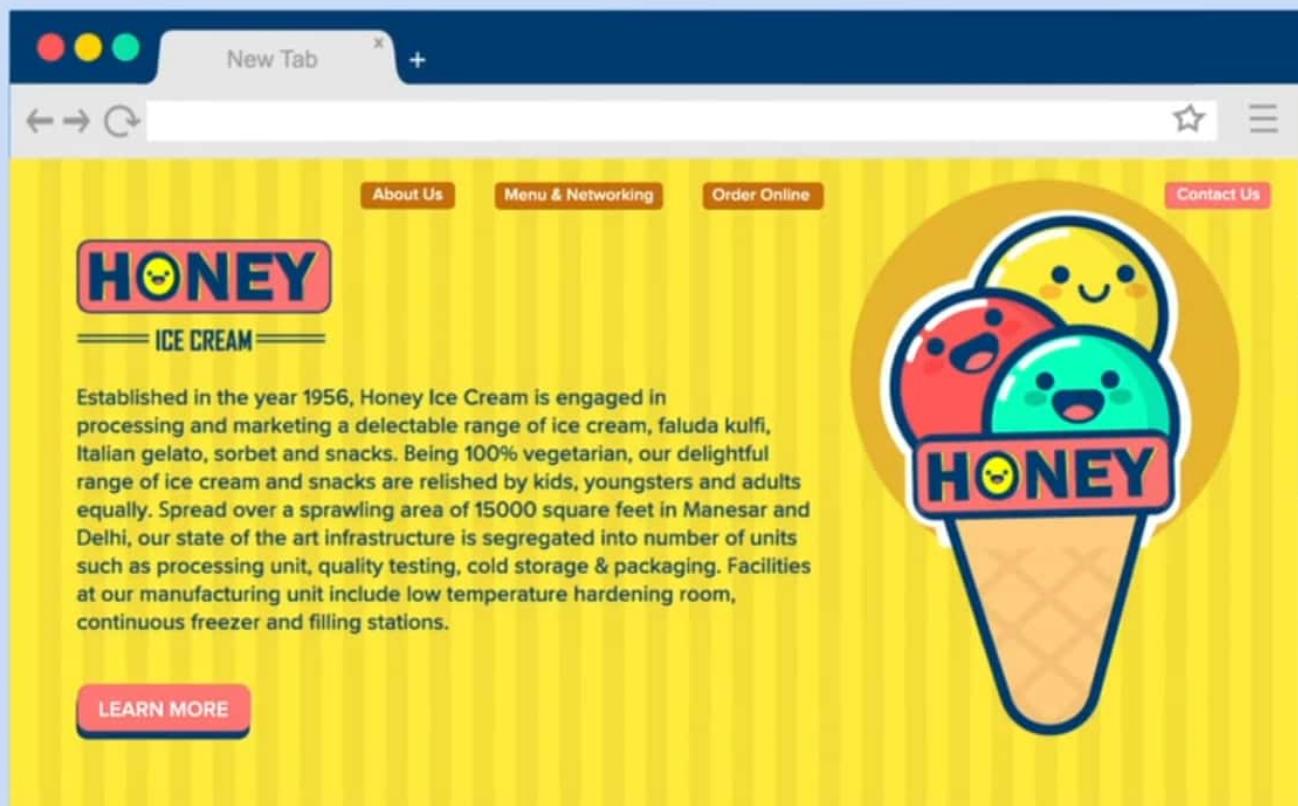
rem



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```
p {  
    color: red;  
}
```

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RGB

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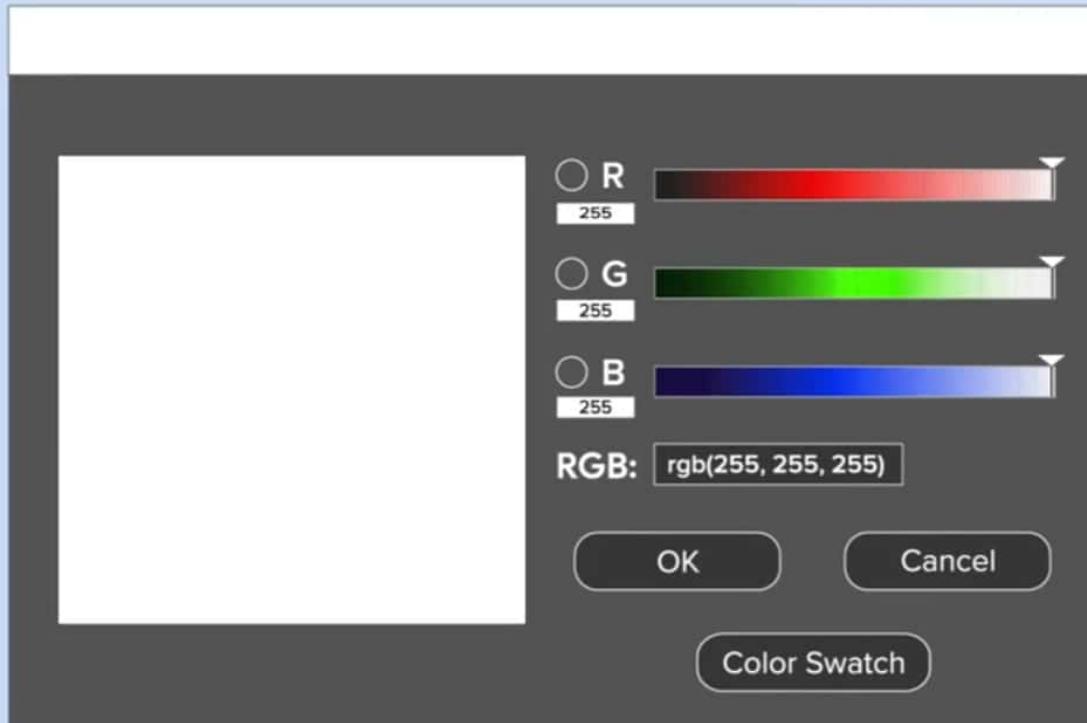
RGB

Red

Green

Blue

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RGB values	Colour
rgb (0, 0, 0)	Black
rgb (255, 0, 0)	Red
rgb (0, 255, 0)	Green
rgb (0, 0, 255)	Blue
rgb (255, 255, 0)	Yellow
rgb (255, 0, 255)	Purple
rgb (0, 255, 255)	Cyan
rgb (255, 255, 255)	White

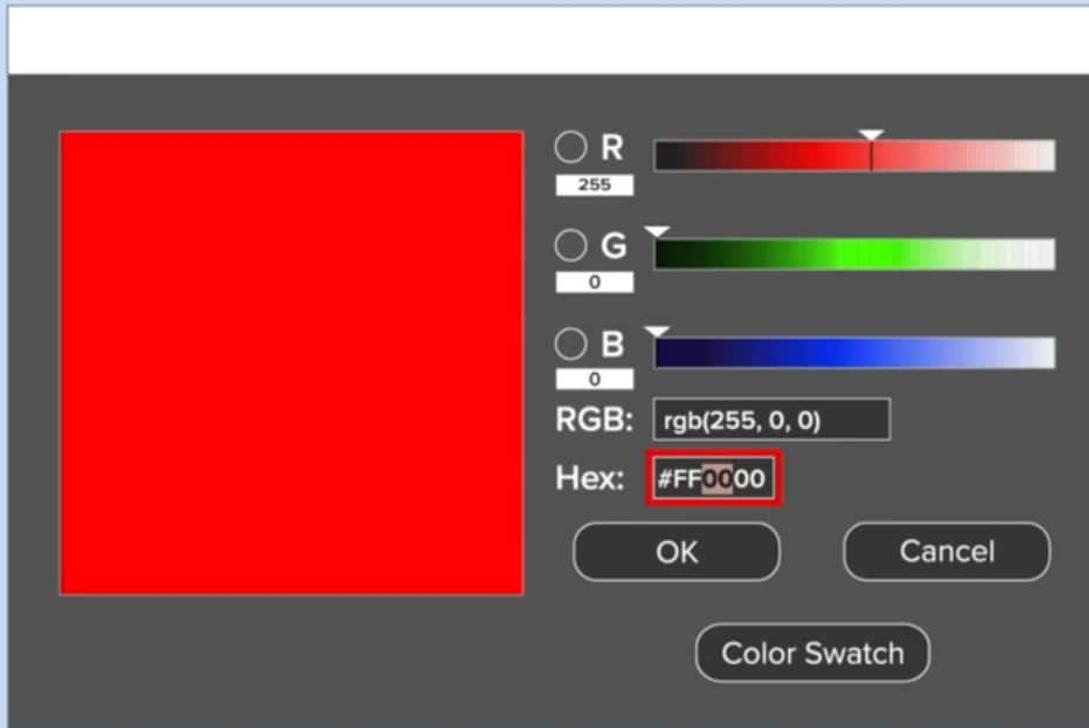
```
p {  
    color: rgb (255, 0, 0);  
}
```

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$256 * 256 * 256 = 16777216$ (More than 16 Million colors)

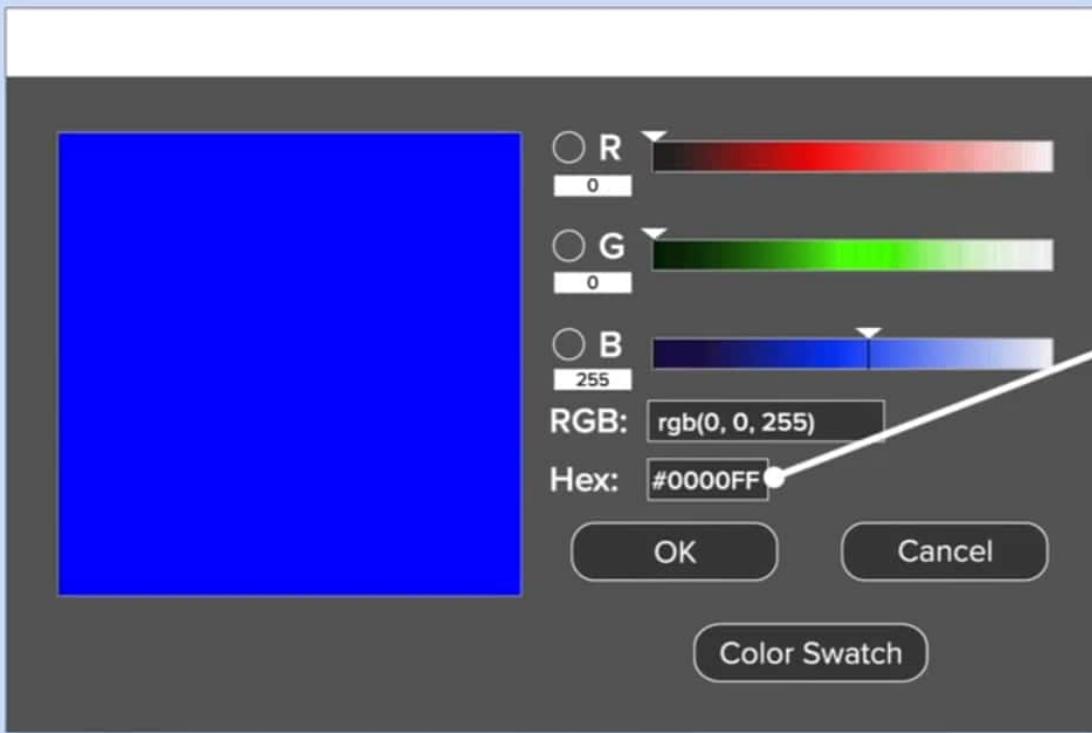
Hexadecimal

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FF0000

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Hexadecimal values	Colour
#000000	Black
#FF0000	Red
#00FF00	Green
#0000FF	Blue
#FFFF00	Yellow
#FF00FF	Purple
#00FFFF	Cyan
#FFFFFF	White

Module 2 > Topic 4 > Video 1

CSS Properties - I



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Learning objectives

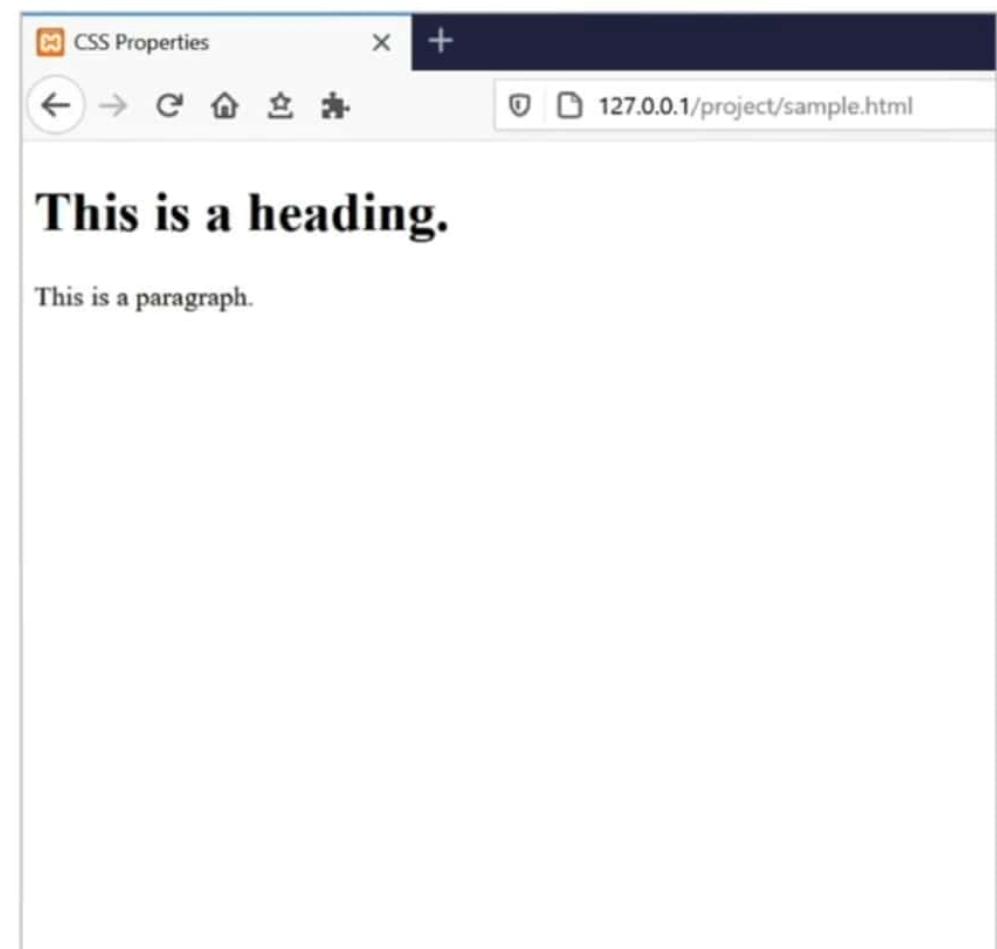
- Color css property.
- Background color css property.
- Font family css property.
- Font size css property.

CSS properties

- color
- background-color
- font-family
- font-size

A screenshot of a code editor window titled "sample.html X". The file path is shown as "C: > xampp > htdocs > project > sample.html > ...". The code editor displays the following HTML code:

```
1  <html>
2    <head>
3      <title> CSS Properties </title>
4    </head>
5    <body>
6      <div>
7        <h1> This is a heading.</h1>
8      </div>
9      <div>
10        <p> This is a paragraph. </p>
11      </div>
12    </body>
13  </html>
```



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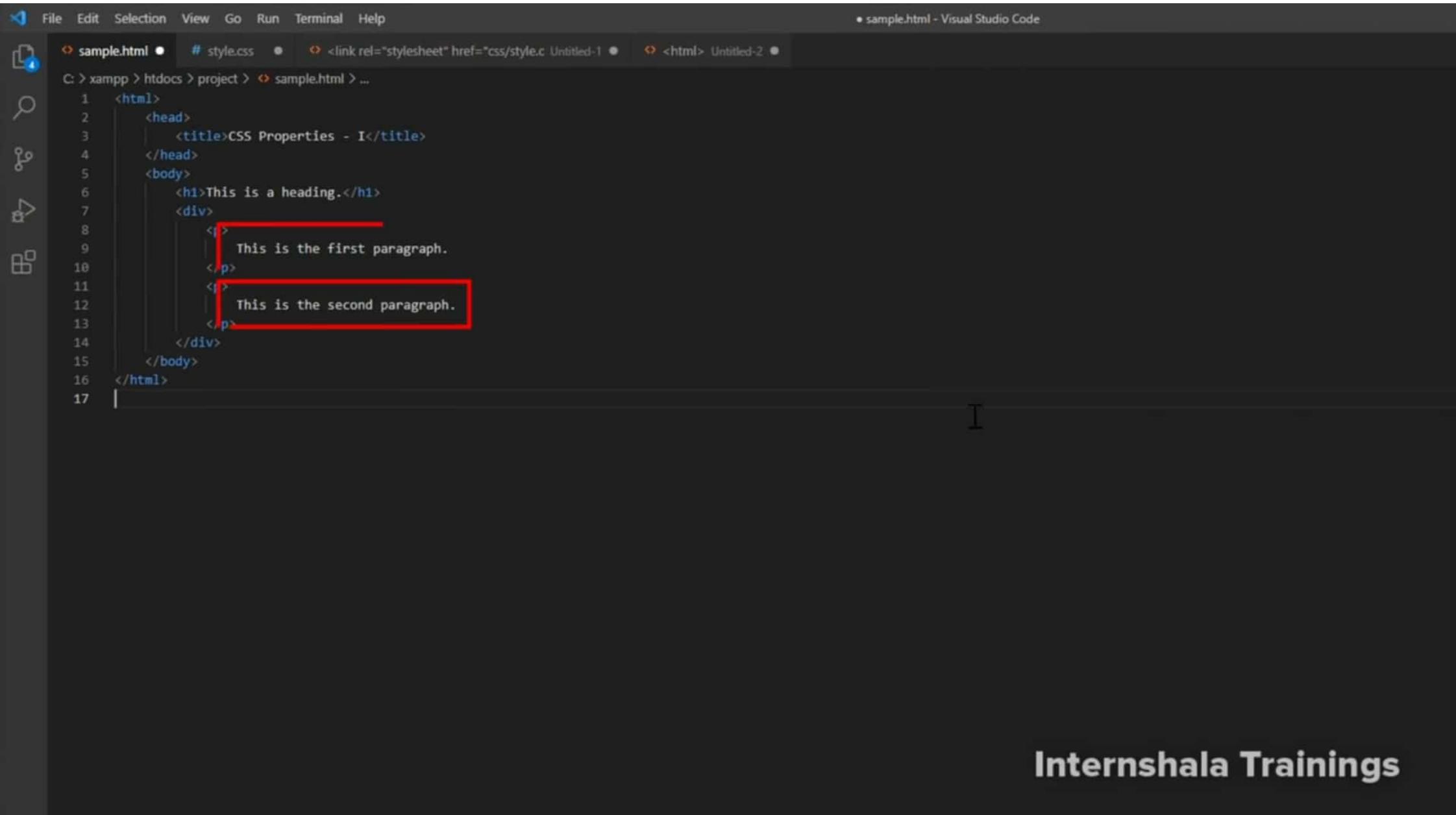
Default value

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Color

The default value of color property is black.



A screenshot of the Visual Studio Code interface. The top bar shows the menu: File, Edit, Selection, View, Go, Run, Terminal, Help. The title bar indicates the file is "sample.html - Visual Studio Code". The left sidebar has icons for file, search, and other tools. The main editor area displays the following HTML code:

```
1 <html>
2   <head>
3     <title>CSS Properties - I</title>
4   </head>
5   <body>
6     <h1>This is a heading.</h1>
7     <div>
8       <p>      This is the first paragraph.
9       <p>      This is the second paragraph.
10      </p>
11    </div>
12  </body>
13 </html>
```

The code for paragraphs 8 and 9 is highlighted with a red rectangular selection.

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sample.html ● style.css ● <link rel="stylesheet" href="css/style.css" Untitled-1 ● <html> Untitled-2 ●

C:\xampp\htdocs\project>sample.html>html>body>div>p.abc

```
1 <html>
2   <head>
3     <title>CSS Properties - I</title>
4   </head>
5   <body>
6     <h1>This is a heading.</h1>
7     <div>
8       <p>
9         This is the first paragraph.
10      </p>
11      <p class="abc">
12        This is the second paragraph.
13      </p>
14    </div>
15  </body>
16</html>
17
```

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "style.css - Visual Studio Code". The left sidebar features icons for file, search, and other development tools. The main editor area displays the following CSS code:

```
1 .abc{  
2     color: #ff0000;  
3 }  
4
```

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A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "sample.html - Visual Studio Code". The left sidebar contains icons for file operations like Open, Save, Find, and others. The main editor area displays an HTML file with the following code:

```
1 <html>
2   <head>
3     <title>CSS Properties - 1</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      | This is the first paragraph.
11    </p>
12    <p class="abc">
13      | This is the second paragraph.
14    </p>
15  </div>
16 </body>
17 </html>
```

The line containing the CSS link declaration is highlighted with a red rectangular box.

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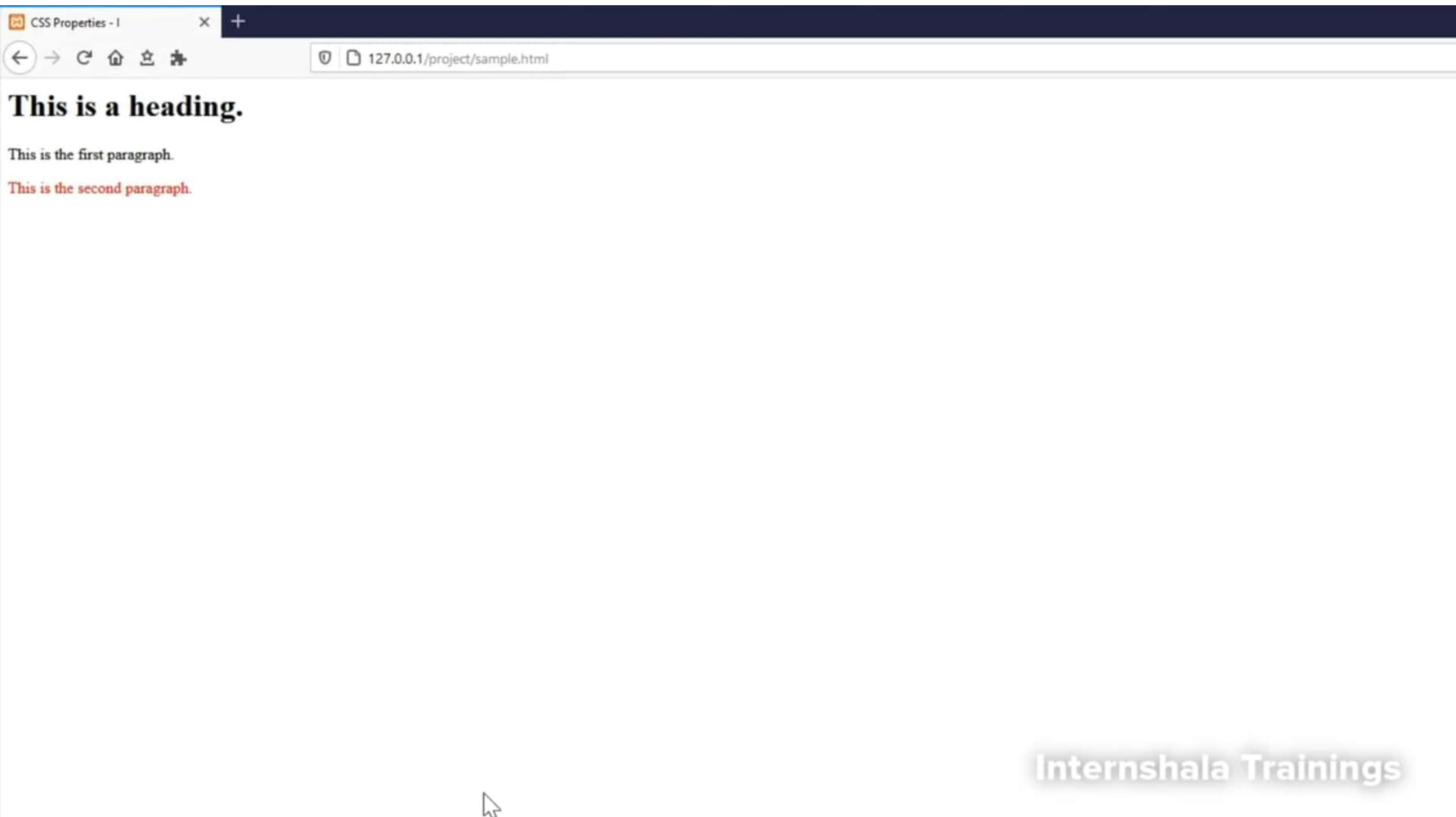
File Edit Selection View Go Run Terminal Help

sample.html - Visual Studio Code

C:\xampp\htdocs\project> sample.html > ...

```
1  <html>
2      <head>
3          <title>CSS Properties - I</title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <h1>This is a heading.</h1>
8          <div>
9              <p>
10                 This is the first paragraph.
11             </p>
12             <p class="abc">
13                 This is the second paragraph.
14             </p>
15         </div>
16     </body>
17 </html>
```

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 **background-color**

The default value of this property is transparent (no color).

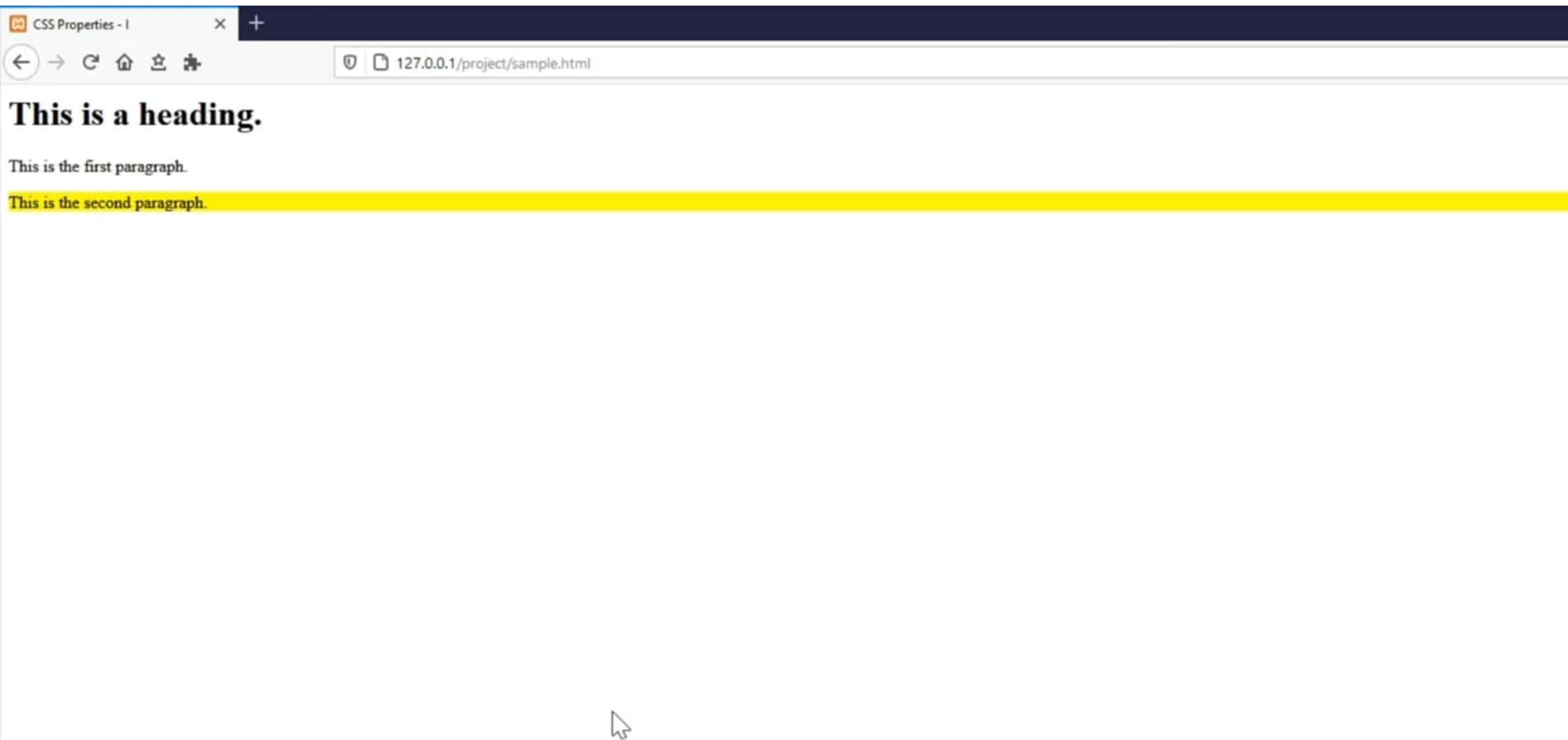
CSS Properties - 1 X +

127.0.0.1/project/sample.html

This is a heading.

This is the first paragraph.

This is the second paragraph.



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Font-Family

Used to specify a font type to a text.

HTML code

A screenshot of a code editor window titled "sample.html". The code is as follows:

```
1 <html>
2   <head>
3     <title>CSS Properties - I</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      This is the first paragraph.
11    </p>
12    <p>
13      This is the second paragraph.
14    </p>
15  </div>
16 </body>
17 </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The code is as follows:

```
1 .abc{
2   font-family: "Comic Sans MS", cursive, sans-serif;
3 }
```

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This is a heading.

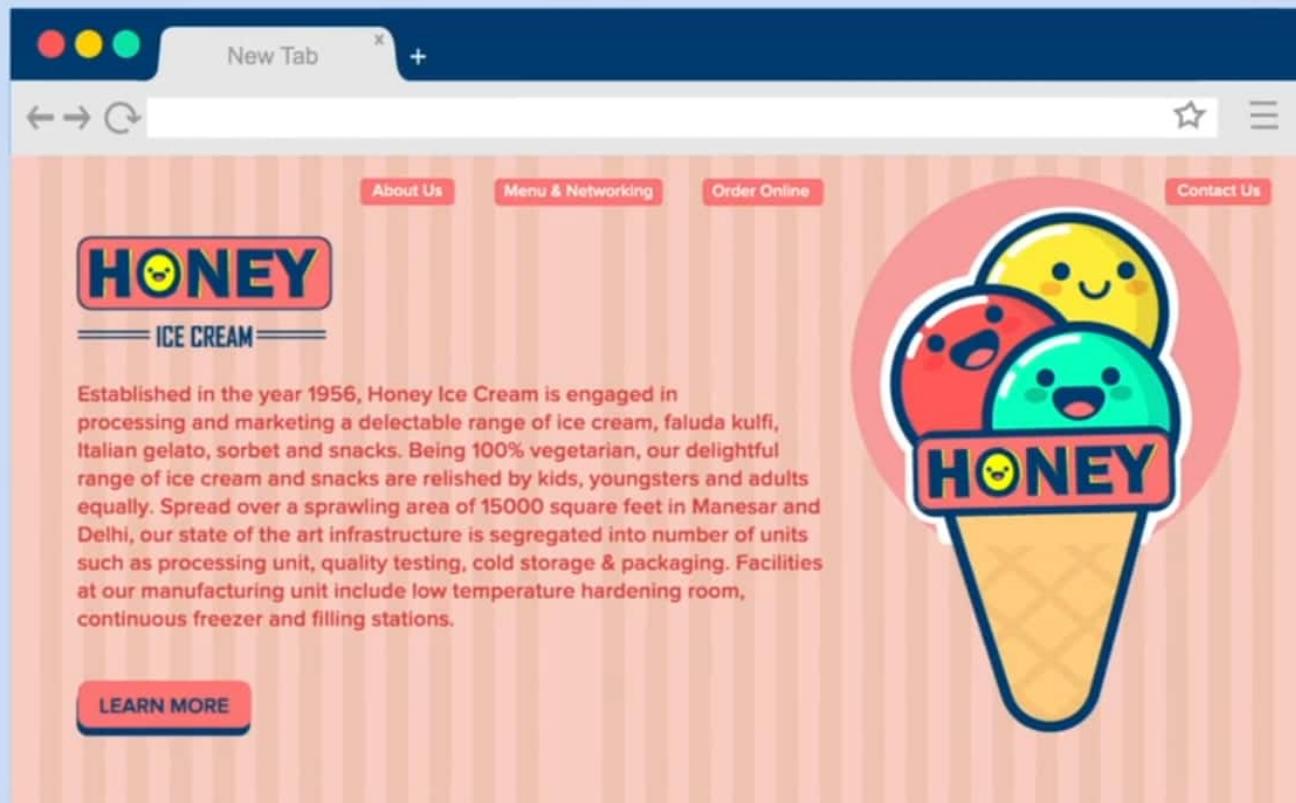
This is the first paragraph.

This is the second paragraph.

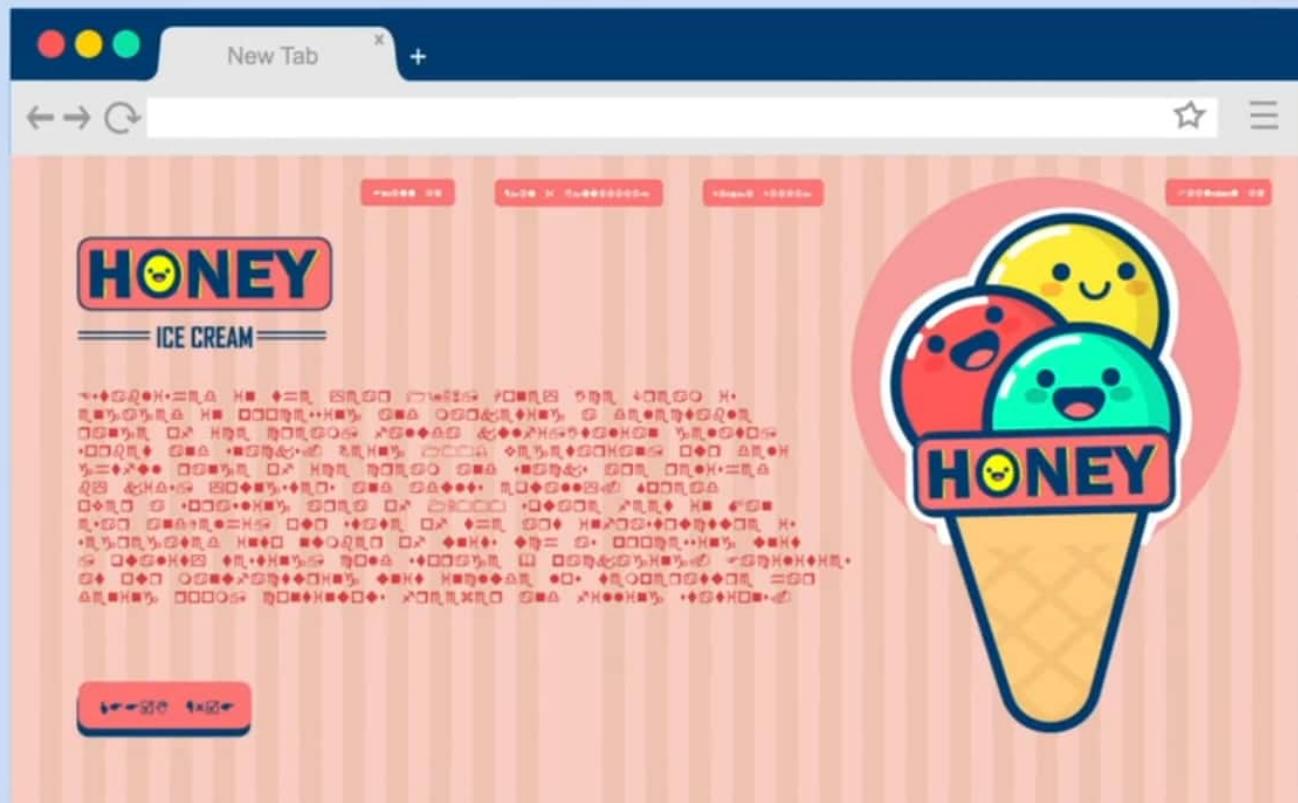


Points to consider while using font-family property

- Choose only those fonts that are supported by the browser.
- Different browsers support different font types, so choose a font-family that is supported by all the browsers.



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**How to make sure that the browser renders
the exact font-type that we have used in our code?**

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Google Fonts

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Browse Fc x

fonts.google.com

Apps Gmail YouTube Maps Translate

Search Sentence Type something 40px

Categories Language Font properties Show only variable fonts

1023 of 1023 families Sort by: Trending

Roboto Christian Robertson 12 styles

Almost before we knew it, we had left the ground.

Poppins Indian Type Foundry, Jonny Pinhorn 18 styles

अंतरिक्ष यान से दूर नीचे पृथक्षी शानदार ढंग से जगमगा रही थी ।

Langar Typeland, Alessia Mazzarella 1 style

Almost before we knew it, we had left the ground.

Andika New Basic SIL International 4 styles

Almost before we knew it, we had left the ground.

Open Sans Steve Matteson 10 styles

Almost before we knew it, we had left the ground.

JetBrains Mono JetBrains, Philipp Nurullin, Konstantin Bulenkov Variable

Almost before we knew it, we had left the ground.

Type here to search

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Excercise

Search ‘Google fonts’ and try them in the code provided in the helper text and observe the output?

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Font-Size

Used to specify the font size of a text.



Font-Size

Default value for paragraph is 16px.

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows the file path C:\xampp\htdocs\project\css\style.css - Visual Studio Code. The left sidebar contains icons for file, search, and other tools. The main editor area displays the following CSS code:

```
1 .abc{  
2     font-size: 10px;  
3 }  
4
```

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Module 2 > Topic 4 > Video 2

CSS Properties - II



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Learning objectives

- Font weight css property.
- Font style css property.
- Text align css property.
- Line height css property.

CSS properties:

- font-weight
- font-style
- text-align
- line-height

● **font-weight:**

used to specify a bold text.

- For paragraph, the default value of font-weight is normal.
- For heading, the default value of font-weight is bold.

HTML code

```
C:\xampp\htdocs\project>sample.html • # style.css • <link rel="stylesheet" href="css/style.css" Untitled-1 •
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      This is the first paragraph.
11    </p>
12    <p class="abc">
13      This is the second paragraph.
14    </p>
15  </div>
16 </body>
17 </html>
18
```

CSS code

```
C:\xampp\htdocs\project>css># style.css • <link rel="stylesheet" href="css/style.css" Untitled-1 •
1 .abc {
2   font-weight: bold;
3 }
4
```

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HTML code

```
C:\xampp\htdocs\project>sample.html • # style.css <link rel="stylesheet" href="css/style.css" Untitled-1 • <html>
<head>
    <title>CSS Properties - II</title>
    <link rel="stylesheet" href="css/style.css"/>
</head>
<body>
    <h1>This is a heading.</h1>
    <div>
        <p>
            This is the first paragraph.
        </p>
        <p class="abc">
            This is the second paragraph.
        </p>
    </div>
</body>
</html>
```

CSS code

```
C:\xampp\htdocs\project>sample.html # style.css <link rel="stylesheet" href="css/style.css" Untitled-1 • .abc{
    font-weight: normal;
}
```

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font-style:

used to specify an italic text.

HTML code

A screenshot of a code editor window titled "sample.html". The code editor has a dark theme with light-colored syntax highlighting. The file path is shown as "C:\xampp\htdocs\project > sample.html > ...". The code itself is:

```
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      This is the first paragraph.
11    </p>
12    <p class="abc">
13      This is the second paragraph.
14    </p>
15  </div>
16 </body>
17 </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is shown as "C:\xampp\htdocs\project > css > style.css > abc". The code itself is:

```
1 .abc {
2   font-style: italic;
```

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HTML code

```
C:\xampp>htdocs>project>sample.html>...
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      | This is the first paragraph.
11      </p>
12      <p class="abc">
13        | This is the second paragraph.
14      </p>
15     </div>
16   </body>
17 </html>
18 |
```

CSS code

This is a heading.

This is the first paragraph.

This is the second paragraph.

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HTML code

A screenshot of a code editor window titled "sample.html". The code editor has a dark theme with light-colored syntax highlighting. The file path is shown as "C:\xampp\htdocs\project>sample.html". The code itself is:

```
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      | This is the first paragraph.
11      </p>
12      <p class="abc">
13        | This is the second paragraph.
14      </p>
15    </div>
16  </body>
17 </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is shown as "C:\xampp\htdocs\project>css>style.css". The code is:

```
1 .abc{
2   font-style: normal;
3 }
```

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HTML code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main pane displays the following HTML code:

```
C:\xampp>htdocs>project>sample.html>...
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      This is the first paragraph.
11    </p>
12    <p class="abc">
13      This is the second paragraph.
14    </p>
15  </div>
16 </body>
17 </html>
```

CSS code

A screenshot of a browser developer tools window titled "CSS Properties - II". The URL bar shows "127.0.0.1/project/sample.html". The content area displays the following HTML structure with applied CSS:

This is a heading.

This is the first paragraph.

This is the second paragraph.

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- ◉ **text-decoration:**

used to add or remove an underline from a text.

- Default value is none for most elements, except <a>.

HTML code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main pane displays the following HTML code:

```
C:\xampp>htdocs>project>sample.html > ...
1  <html>
2    <head>
3      <title>CSS Properties - II</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <h1>This is a heading.</h1>
8      <div>
9        <p>
10       | This is the first paragraph.
11     </p>
12     <p class="abc">
13       | This is the second paragraph.
14   </p>
15 </div>
16 </body>
17 </html>
18 |
```

CSS code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main pane displays the following CSS code:

```
C:\xampp>htdocs>project>css>#style.css > ...
1 .abc {
2   text-decoration: underline;
3 }
4
```

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This is a heading.

This is the first paragraph.

This is the second paragraph.

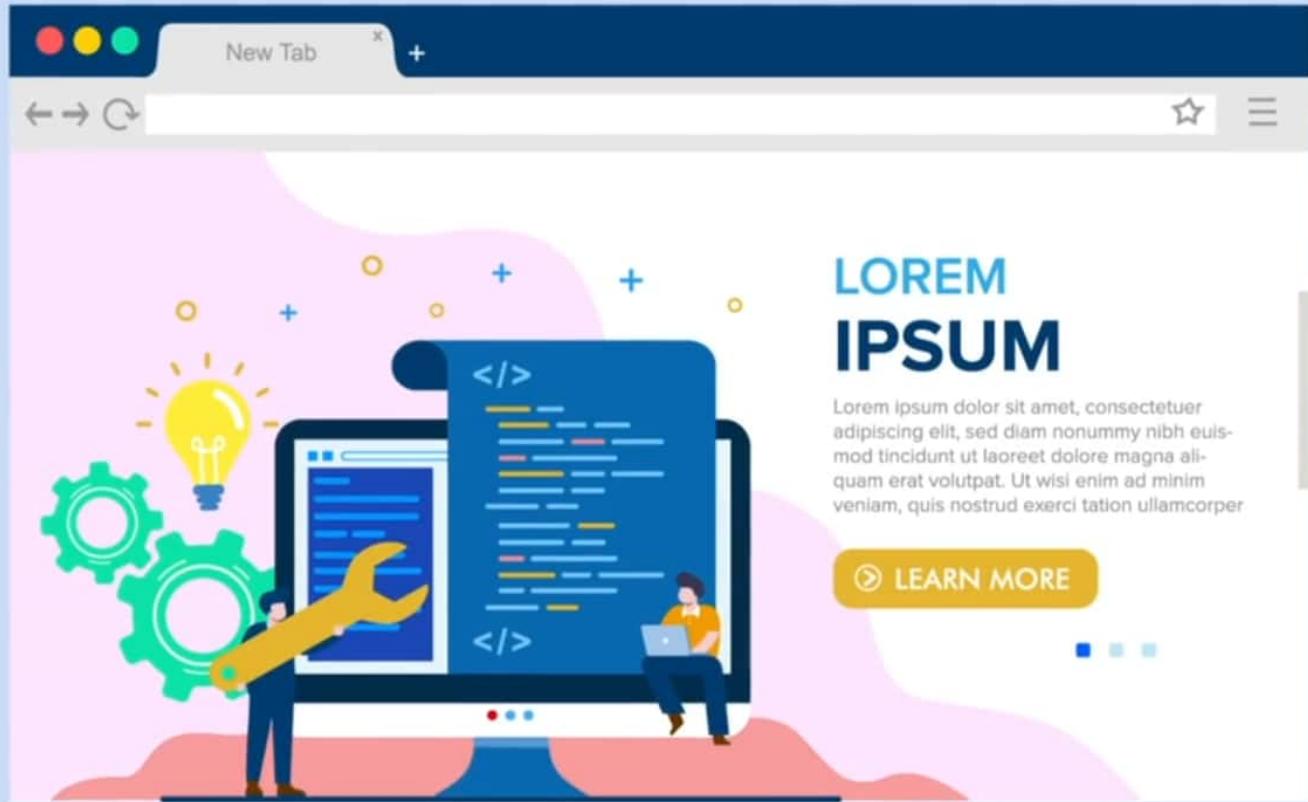
A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "style.css - Visual Studio Code". The left sidebar has icons for file, search, and other tools. The main editor area displays a CSS file with the following code:

```
C:\xampp\htdocs\project\css\# style.css > abc
1 .abc{
2     text-decoration: none;
3 }
4
```

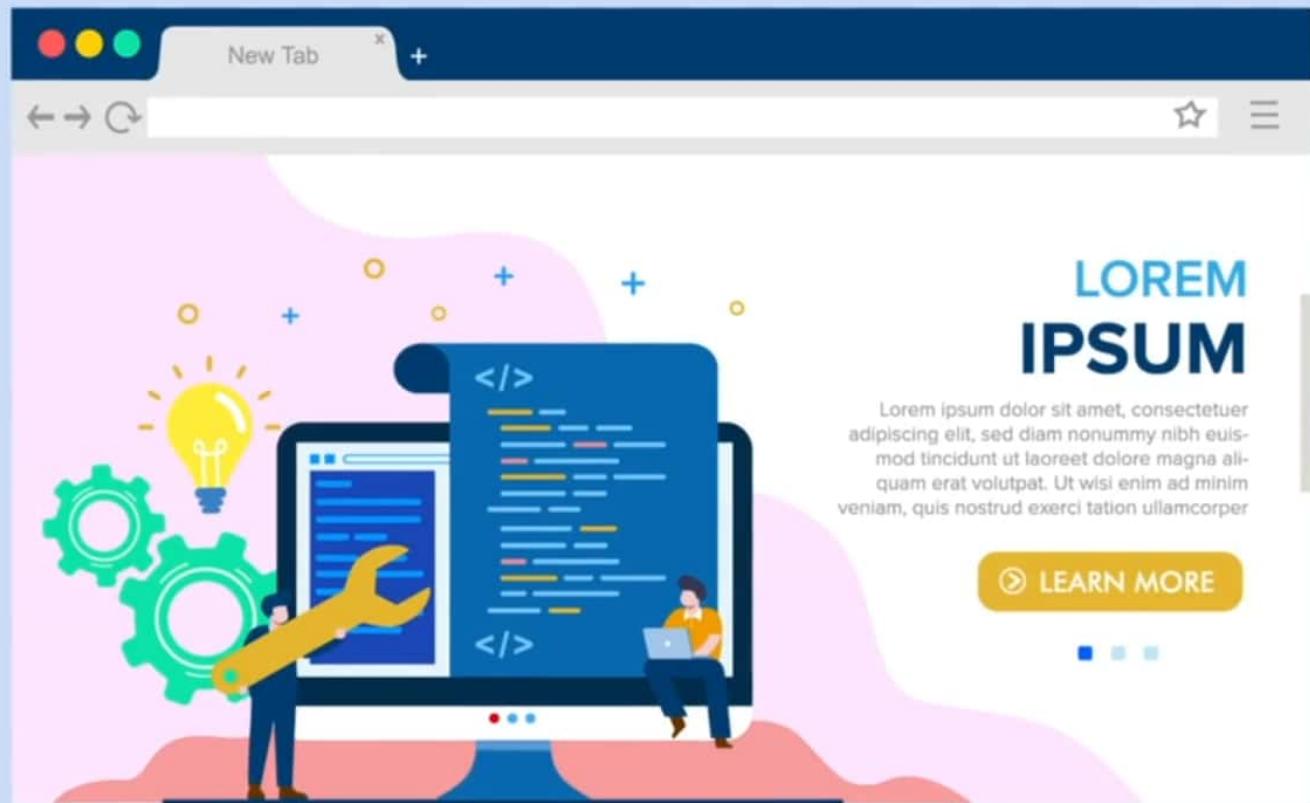
The word "none" is highlighted with a blue selection bar, indicating it is being selected or completed. A tooltip or dropdown menu is visible next to "none", showing the option "none". The status bar at the bottom shows "Internshala Trainings".



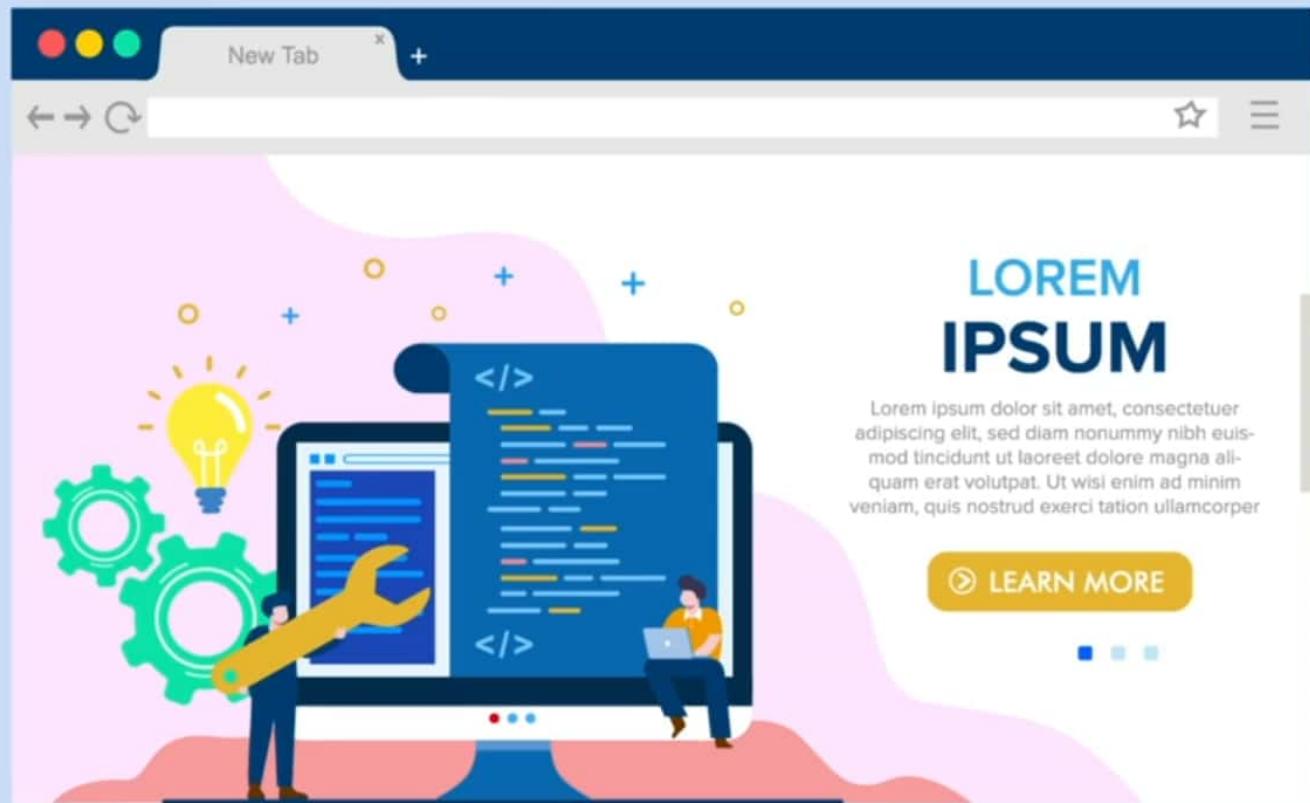
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text-align:

used to specify the horizontal alignment of a text.

- Default value for most elements is left.

HTML code

```
C:\xampp\htdocs\project>sample.html # style.css ● <link rel="stylesheet" href="css/style.css" Untitled-1 ●
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p class="a">
10      This is the first paragraph.
11    </p>
12    <p class="b">
13      This is the second paragraph.
14    </p>
15    <p class="c">
16      This is the third paragraph.
17    </p>
18    <p class="d">
19      This is the fourth paragraph.
20    </p>
21   </div>
22   </body>
23 </html>
```

CSS code

```
C:\xampp\htdocs\project>sample.html # style.css ● <link rel="stylesheet" href="css/style.css" Untitled-1 ●
1 div {
2   width: 400px;
3 }
4 .a {
5   text-align: left;
6 }
7 .b {
8   text-align: right;
9 }
10 .c {
11   text-align: center;
12 }
13 .d {
14   text-align: justify;
15 }
```

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CSS Properties - II X +

← → C ⌂ ⌂ ⌂ 127.0.0.1/project/sample.html

This is a heading.

This is the first paragraph.

This is the second paragraph.

This is the third paragraph.

This is the fourth paragraph.



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line-height:

used to specify the height of a text line.

HTML code

A screenshot of a code editor window titled "sample.html". The code editor has a dark theme with light-colored syntax highlighting. The file path is shown as "C:\xampp\htdocs\project>sample.html". The code itself is:

```
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      | This is the first paragraph.
11      </p>
12      <p class="abc">
13        | This is the second paragraph.
14      </p>
15    </div>
16  </body>
17 </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is shown as "C:\xampp\htdocs\project>css>style.css". The code is:

```
1 .abc {
2   line-height: 30px;
3 }
```

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This is a heading.

This is the first paragraph.

This is the second paragraph.

HTML code

A screenshot of a code editor window titled "sample.html". The code editor has a dark theme with light-colored syntax highlighting. The file path is shown as "C:\xampp\htdocs\project > sample.html > ...". The code itself is:

```
1  <html>
2    <head>
3      <title>CSS Properties - II</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <h1>This is a heading.</h1>
8      <div>
9        <p>
10          This is the first paragraph.
11        </p>
12        <p class="abc">
13          This is the second paragraph.
14        </p>
15      </div>
16    </body>
17  </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is shown as "C:\xampp\htdocs\project > css > style.css > ...". The code is:

```
1 .abc {
2   line-height: 300px;
3 }
```

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CSS Properties - II X +

← → C ⌂ ⌂ ⌂ 127.0.0.1/project/sample.html

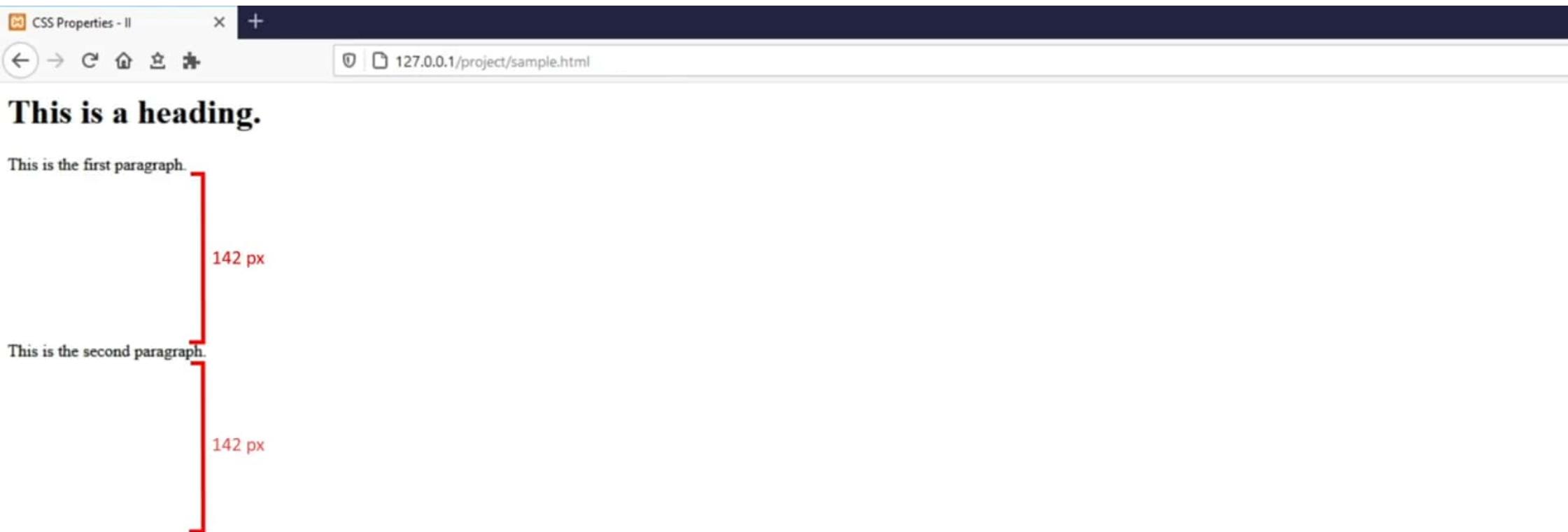
This is a heading.

This is the first paragraph.

This is the second paragraph.

The screenshot shows a browser window with the title "CSS Properties - II". The address bar indicates the URL is "127.0.0.1/project/sample.html". The page content includes a heading "This is a heading.", a first paragraph "This is the first paragraph.", and a second paragraph "This is the second paragraph.". The heading and the first paragraph both have a red border applied to their content areas, while the second paragraph does not.

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HTML code

A screenshot of a code editor window titled "sample.html". The code editor has a dark theme with light-colored syntax highlighting. The code itself is:

```
1 <html>
2   <head>
3     <title>CSS Properties - II</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <h1>This is a heading.</h1>
8     <div>
9       <p>
10      This is the first paragraph.
11    </p>
12    <p class="abc">
13      This is the second paragraph.
14    </p>
15  </div>
16 </body>
17 </html>
```

CSS code

A screenshot of a code editor window titled "style.css". The code editor has a dark theme with light-colored syntax highlighting. The code itself is:

```
1 .abc {
2   font-size: 16px;
3   line-height: 20;
4 }
```

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CSS Properties - II X +

← → C ⌂ ⌂ ⌂

127.0.0.1/project/sample.html

This is a heading.

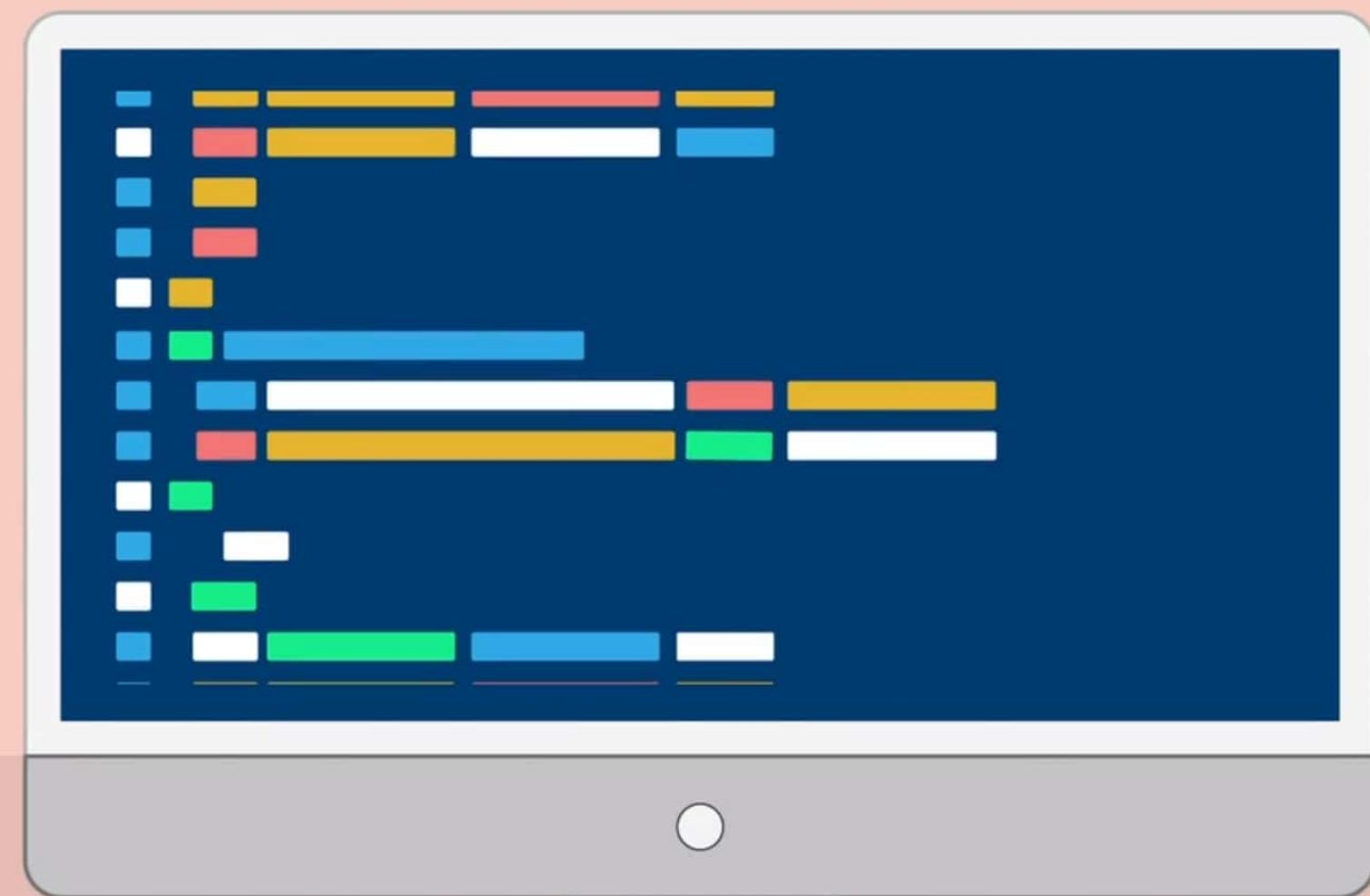
This is the first paragraph.

This is the second paragraph.

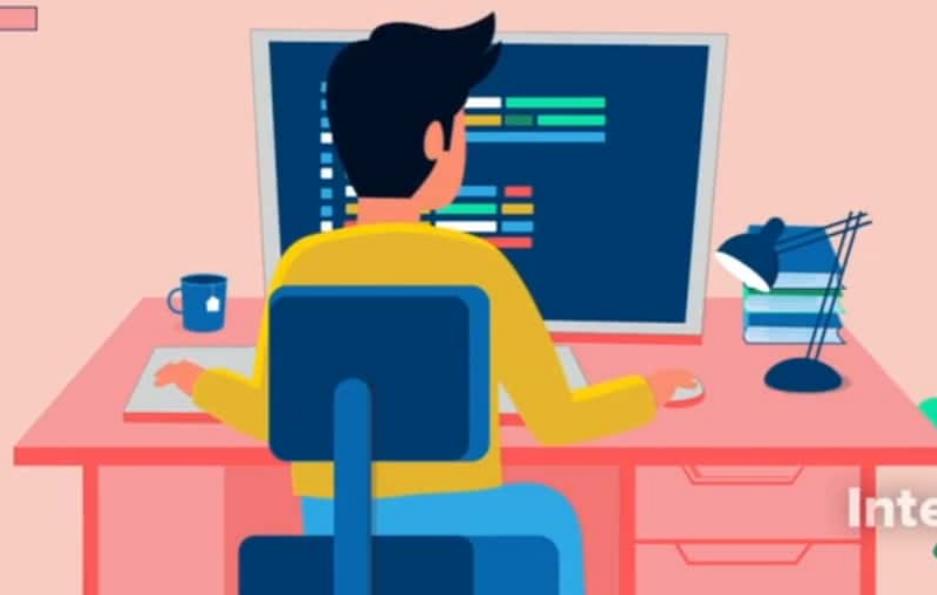
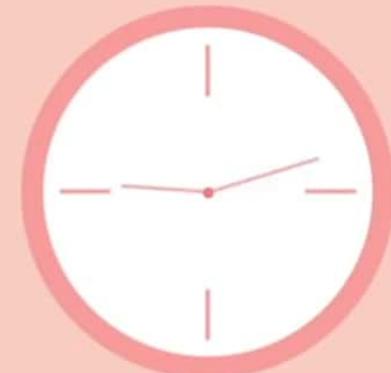
16x20 px = 320 px



The screenshot shows a browser window with the title "CSS Properties - II". The address bar indicates the URL is 127.0.0.1/project/sample.html. The page content includes a heading "This is a heading.", a first paragraph "This is the first paragraph.", and a second paragraph "This is the second paragraph.". A red border surrounds the first paragraph. To the right of the second paragraph, the text "16x20 px = 320 px" is displayed in red, likely indicating a calculated value for the width of the second paragraph's container or font size.



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Module 2 > Topic 5 > Video 1

Border and its Subproperties



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Learning objectives

- Explain box model.
- Explain the properties associated with the border property.
- List the subproperties of the border property.

sample.html X # style.css

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2      <head>
3          <title> Box Model </title>
4      </head>
5      <body>
6          <div>
7              <h1>Introduction</h1>
8              <p>Welcome to Internshala Trainings.</p>
9              <p>Hope you have a fun time learning with us!</p>
10             </div>
11         </body>
12     </html>
13 
```

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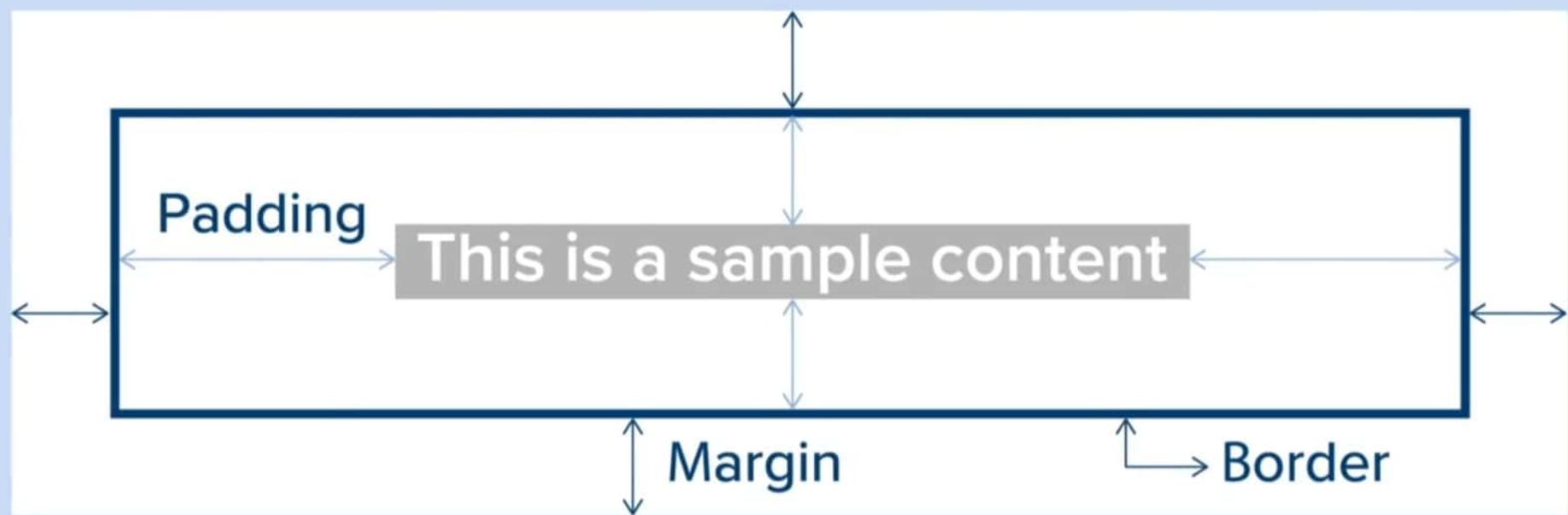
sample.html X # style.css

C: > xampp > htdocs > project > sample.html > ...

```
1 <html>
2   <head>
3     <title> Box Model </title>
4   </head>
5   <body>
6     <div>
7       <h1>Introduction</h1>
8       <p>Welcome to Internshala Trainings.</p>
9       <p>Hope you have a fun time learning with us!</p>
10      </div>
11    </body>
12  </html>
```

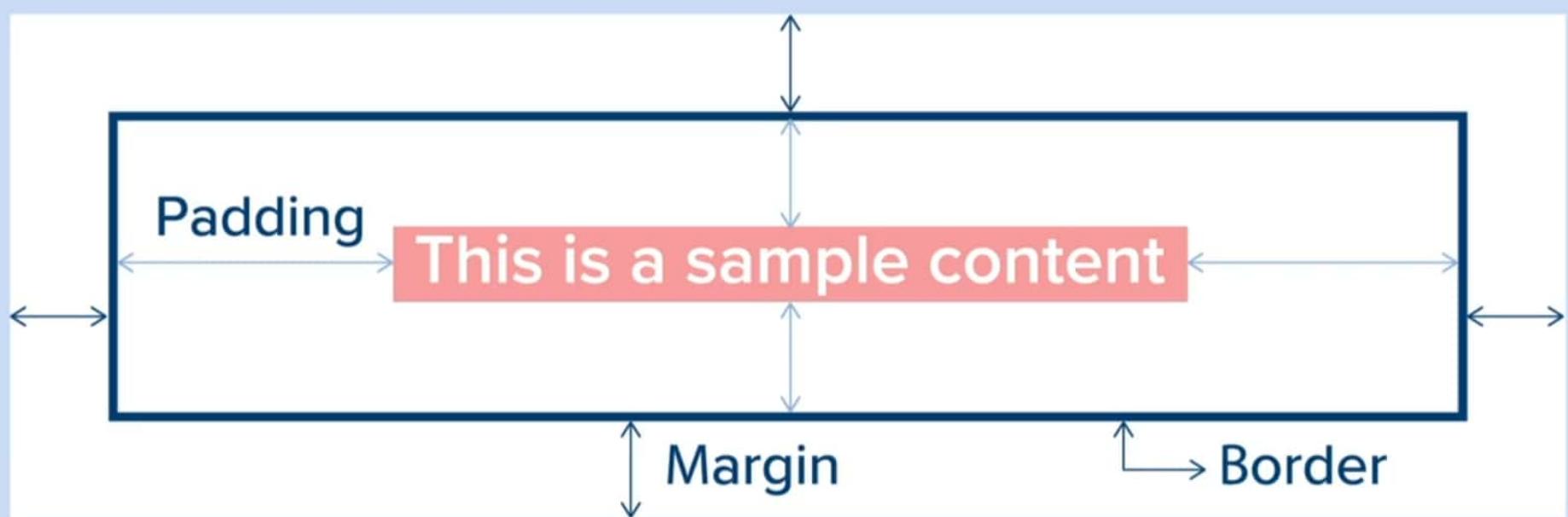
Internshala Trainings

Box Model



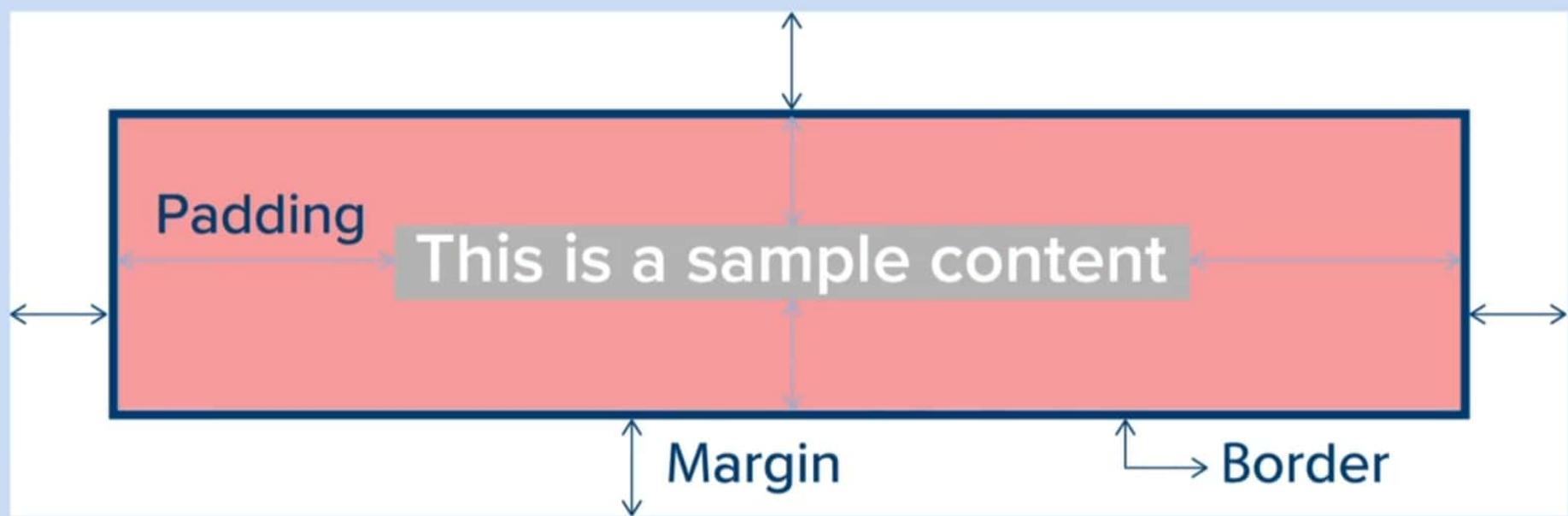
Internshala Trainings

Box Model



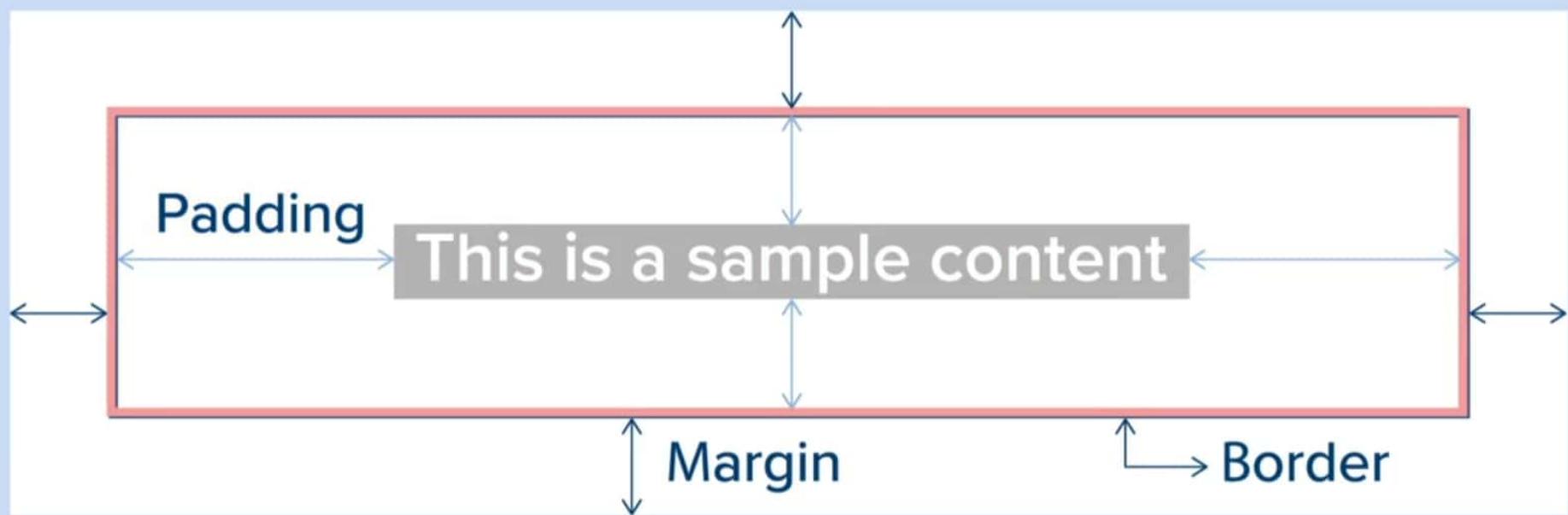
Internshala Trainings

Box Model



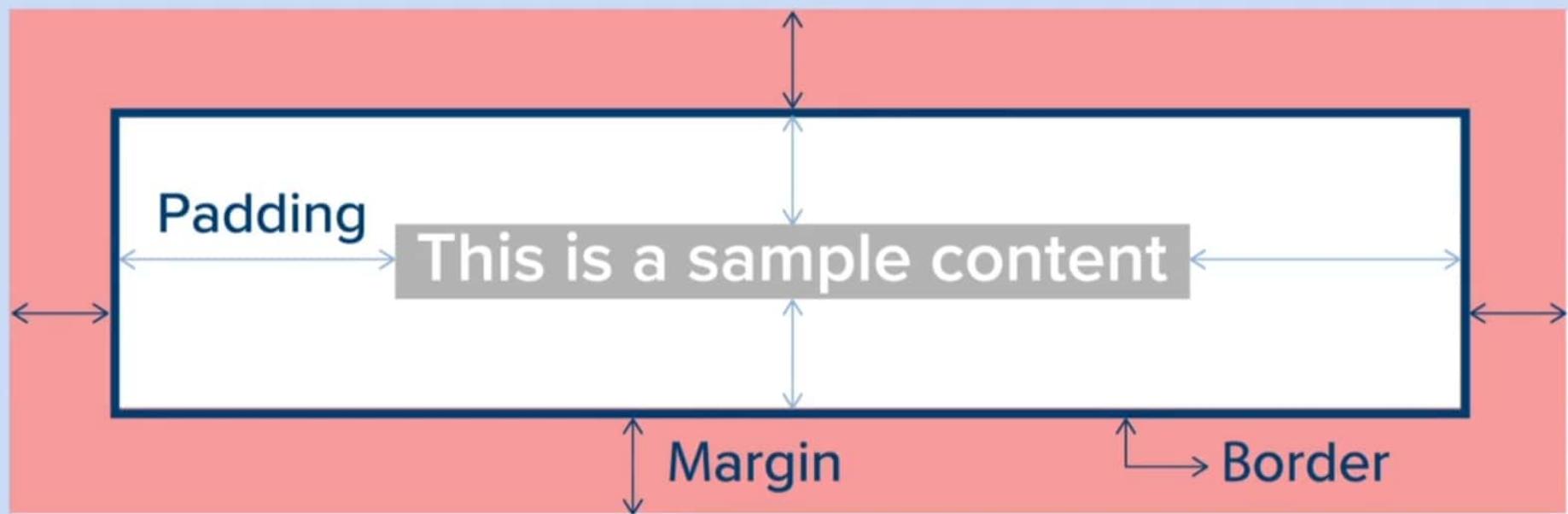
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Box Model



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Box Model



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border-style:

It is used to specify a style to the border of an element.

border-style

Solid	---
Dotted
Dashed	- - - - -

HTML code

A screenshot of a code editor window titled "sample.html". The code is as follows:

```
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p class="a">
9         This paragraph has a solid border.
10      </p>
11    </div>
12  </body>
13</html>
```

The code editor interface includes a toolbar with icons for file operations, a search bar, and a sidebar with navigation icons.

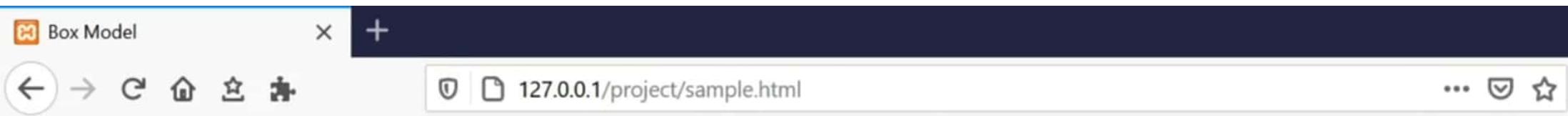
CSS code

A screenshot of a code editor window titled "style.css". The code is as follows:

```
1 .a {
2   border-style: solid;
3 }
4
```

The code editor interface includes a toolbar with icons for file operations, a search bar, and a sidebar with navigation icons.

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⌚ **border-width:**

It is used to specify width to the border of an element.

- The default value is 3 pixels.
- Does not work if the border-style value is none.

HTML code

A screenshot of a code editor window titled "sample.html". The file path is "C:\xampp\htdocs\project\sample.html". The code displays an HTML structure with a title, a link to a CSS file named "style.css", and a body containing a div with two paragraphs. The first paragraph has a solid border, and the second paragraph, which has a class of "abc", has a border width of 6px.

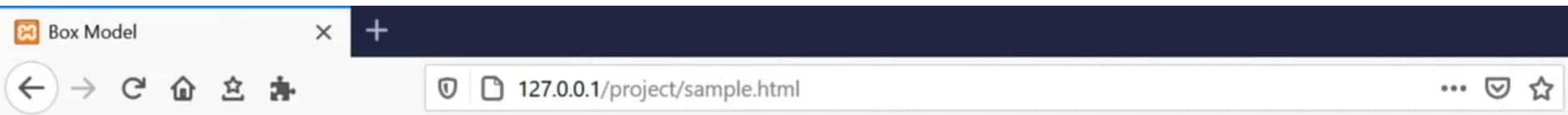
```
File Edit Selection View Go Run Terminal Help
sample.html # style.css
C:\xampp\htdocs\project\sample.html > ...
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>
9         This paragraph has a border.
10      </p>
11      <p class="abc">
12        This paragraph has a wide border.
13      </p>
14    </div>
15  </body>
16</html>
17 |
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is "C:\xampp\htdocs\project\css\style.css". The code contains two CSS rules: one for the paragraph element (p) setting its border-style to solid, and another for the paragraph with class "abc" setting its border-width to 6px.

```
File Edit Selection View Go Run Terminal Help
sample.html # style.css
C:\xampp\htdocs\project\css\style.css > ...
1 p {
2   border-style: solid;
3 }
4 .abc {
5   border-width: 6px;
6 }
7 |
```

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This paragraph has a border.

This paragraph has a wide border.



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- ⦿ **border-color:**

It is used to specify a color to the border of an element.

- Does not work if the border-style value is none.



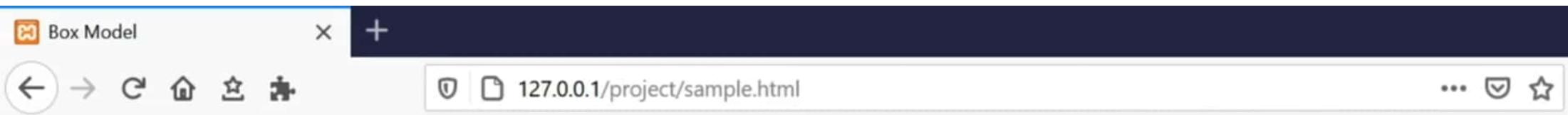
sample.html ● # style.css X

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2      <head>
3          <title> Box Model </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div>
8              <p>
9                  This paragraph has a border.
10             </p>
11             <p class="abc">
12                 This paragraph has a colored border.
13             </p>
14         </div>
15     </body>
16 </html>
```

1 sample.html ● # style.css X

```
C: > xampp > htdocs > project > css > # style.css > ...
1 p {
2     border-style: solid;
3 }
4 .abc {
5     border-color: red;
6 }
7
```



This paragraph has a border.

This paragraph has a wide border.

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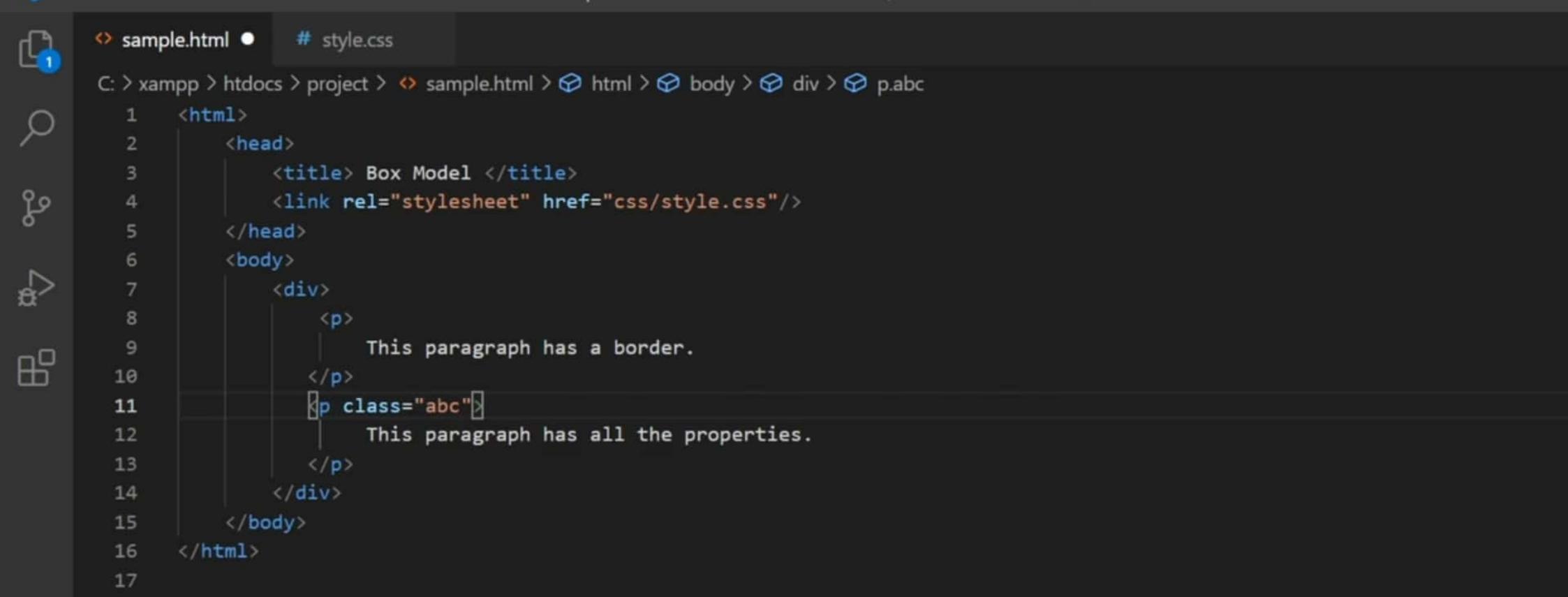




sample.html # style.css

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2      <head>
3          <title> Box Model </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div>
8              <p>
9                  This paragraph has a border.
10             </p>
11             <p>
12                 This paragraph has all the properties.
13             </p>
14         </div>
15     </body>
16 </html>
17
```

sample.html # style.css

```
C: > xampp > htdocs > project > sample.html > html > body > div > p.abc

1  <html>
2    <head>
3      <title> Box Model </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <p>
9          This paragraph has a border.
10       </p>
11       <p class="abc">
12         This paragraph has all the properties.
13       </p>
14     </div>
15   </body>
16 </html>
17
```

border

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sample.html ● # style.css ●

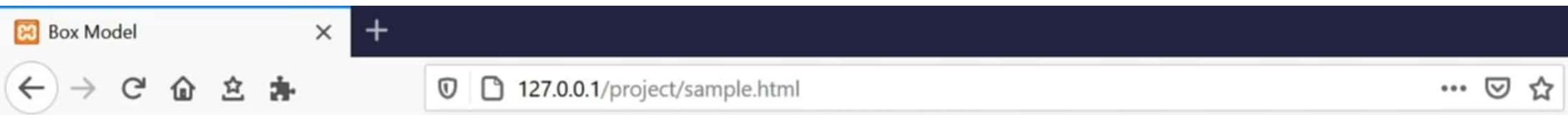
C: > xampp > htdocs > project > css > # style.css > ...

```
1 .abc {  
2     border-style: solid;  
3     border-color: red;  
4     border-width: 6px;  
5 }  
6
```



I

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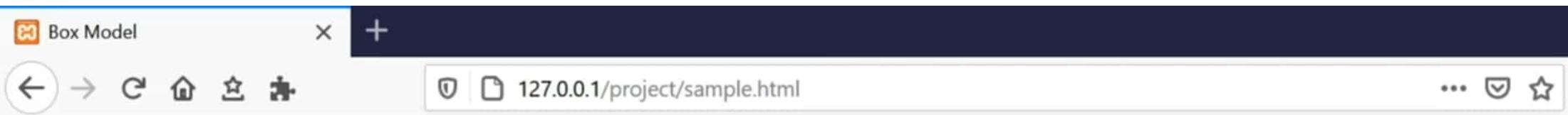


This paragraph has a border.

This paragraph has all the properties.

sample.html # style.css X

```
C: > xampp > htdocs > project > css > # style.css > ...
1 .abc {
2     border-style: solid;
3     border-color: red;
4     border-width:
5 }
6 |
```



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Subproperties of border

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Subproperties of border



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Subproperties of border



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1 <html>
2 <head>
3 <title> Box Model </title>
4 <link rel="stylesheet" href="css/style.css"/>
5 </head>
6 <body>
7 <div>
8 <p class="a">
9 This paragraph has a left border.
10 </p>
11 <p class="b">
12 This paragraph has a right border.
13 </p>
14 <p class="c">
15 This paragraph has a top and a bottom border.
16 </p>
17 <p class="d">
18 This paragraph has no border.
19 </p>
20 </div>
21 </body>
22 </html>

sample.html # style.css X

```
C: > xampp > htdocs > project > css > # style.css > ...
1 .a {
2     background-color: lightblue;
3     border-left: solid 5px blue;
4 }
5 .b {
6     background-color: lightblue;
7     border-right: solid red 2px;
8 }
9 .c {
10    background-color: lightblue;
11    border-top: solid 1px blue;
12    border-bottom: 1px blue solid;
13 }
14 .d {
15    background-color: lightblue;
16 }
```



This paragraph has a left border.

This paragraph has a right border.

This paragraph has a top and a bottom border.

This paragraph has no border.

Module 2 > Topic 5 > Video 2

Padding and Margin

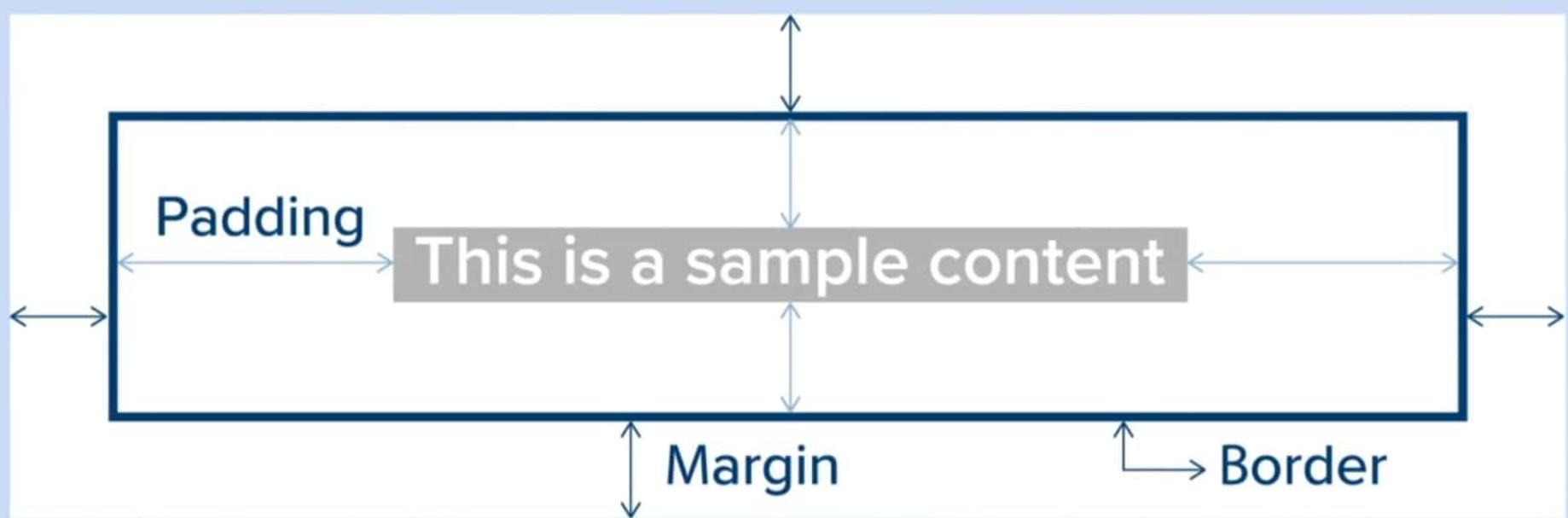


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Learning objectives

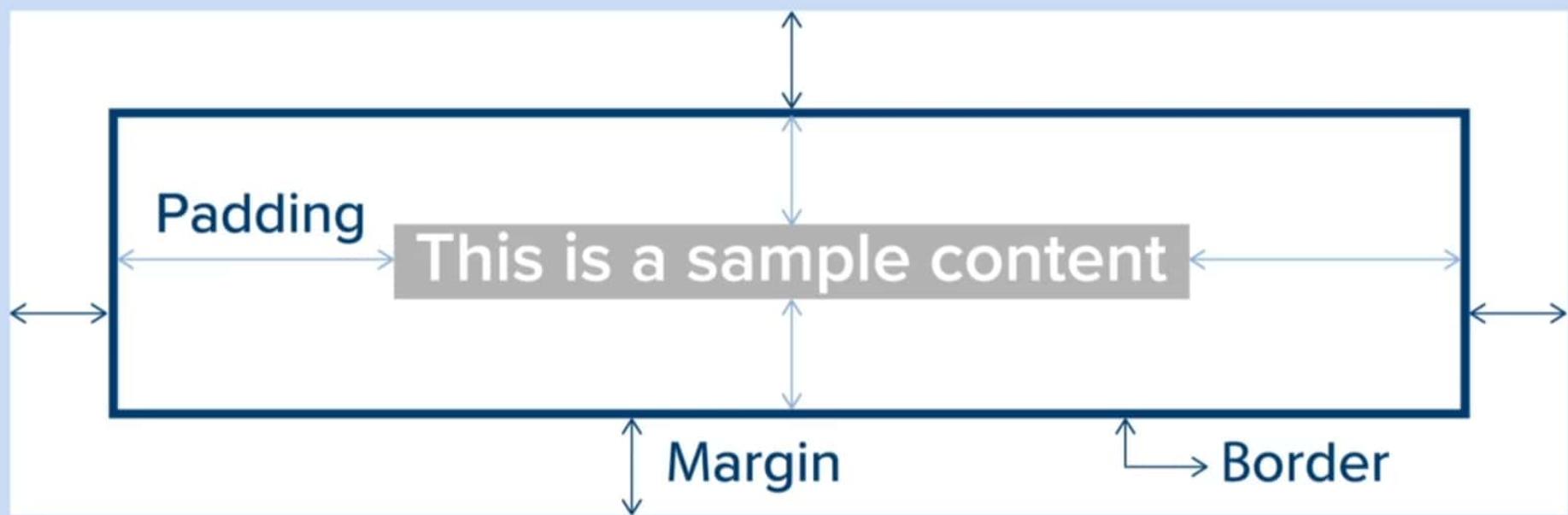
- Padding and its subproperties.
- Margin and its subproperties.
- Height and width properties.
- Box-sizing property.

Box Model



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Box Model



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Padding

Padding is the space around the content of an element inside its border.

- Default value is 0px.

HTML code

```
C: > xampp > htdocs > project > sample.html > html > body > div >
+   <link rel="stylesheet" href="css/style.css" />
5   </head>
6   <body>
7     <div>
8       <p>
9         This paragraph has no padding.
10      </p>
11      <p class="a">
12        This paragraph has a padding.
13      </p>
14      <p class="b">
15        Lorem ipsum dolor sit amet, consectetur
16        adipisicing elit, sed do eiusmod tempor
17        incididunt ut labore et dolore magna aliqua.
18      </p>
19    </div>
20  </body>
21 </html>
```

CSS code

```
C: > xampp > htdocs > project > css > style.css > ...
1  p {
2    border: solid 1px black;
3  }
4  .a, .b {
5    padding: 10px;
6  }
7
```

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This paragraph has no padding.

This paragraph has a padding.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut id nisi fringilla, fermentum ligula ac, commodo sem. Sed molestie feugiat justo nec malesuada. Nulla consectetur gravida dui id vulputate.

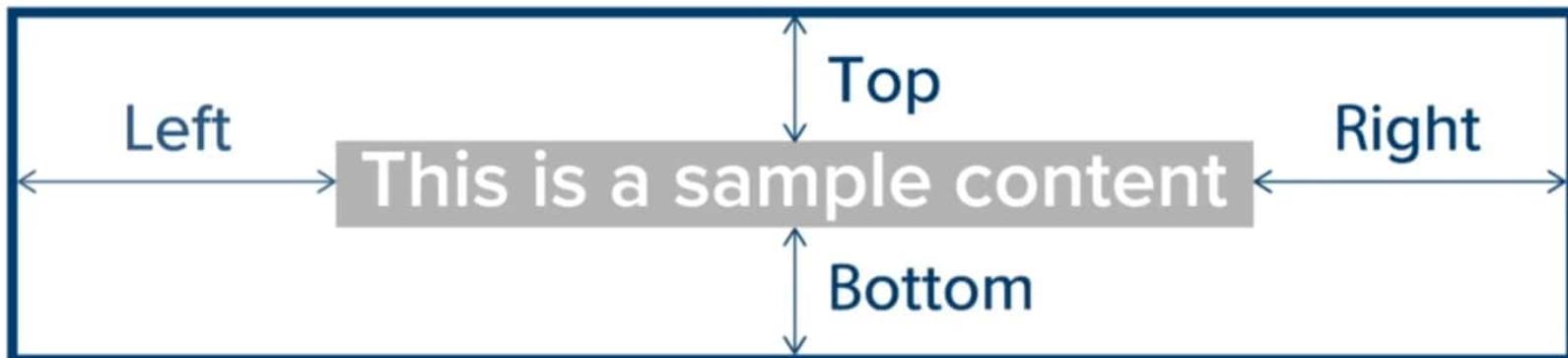
sample.html X # style.css

```
C: > xampp > htdocs > project > sample.html > ...
4     <link rel="stylesheet" href="css/style.css" />
5     </head>
6     <body>
7         <div>
8             <p>
9                 This paragraph has no padding.
10            </p>
11            <p class="a">
12                This paragraph has a padding.
13            </p>
14        </div>
15    </body>
16 </html>
17
```

sample.html # style.css X

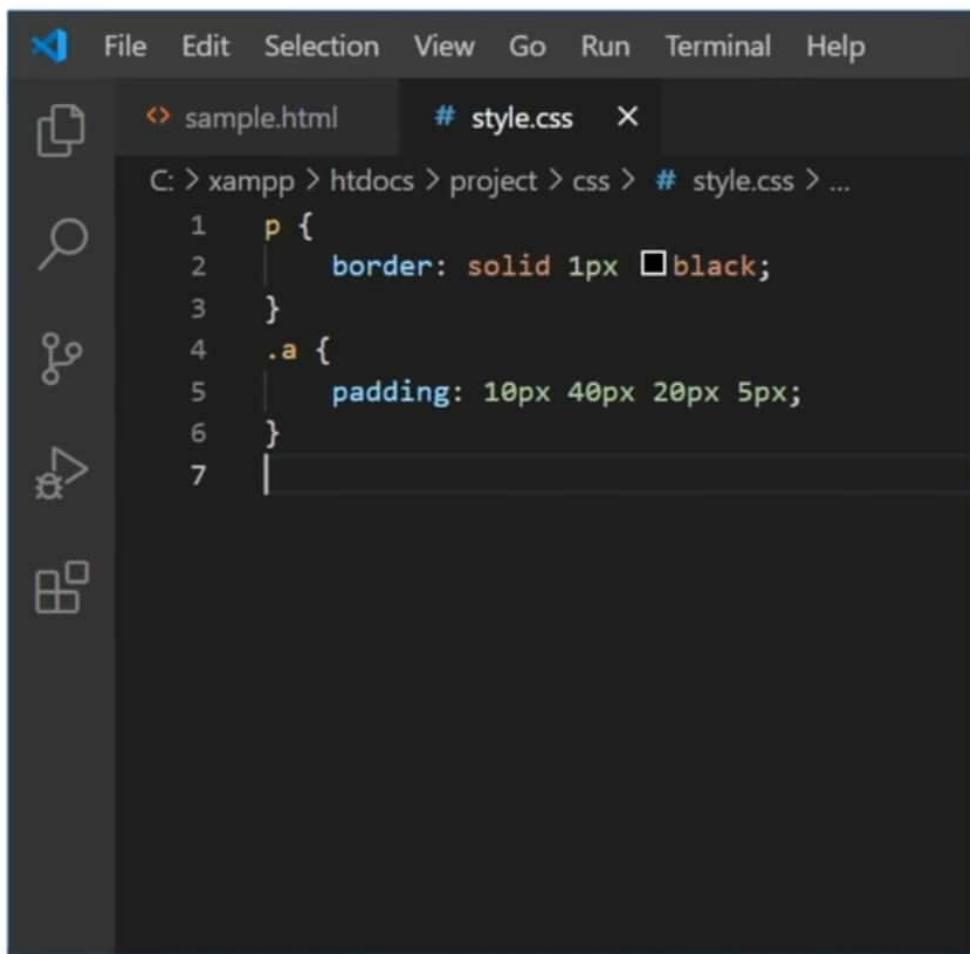
```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding: 10px 40px 20px 5px;
6  }
7
```

Padding



Internshala Trainings

CSS code



A screenshot of a code editor window. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: sample.html and # style.css. The # style.css tab is active and displays the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding: 10px 40px 20px 5px;
6  }
```

Padding

Top padding	10px
Right padding	40px
Bottom padding	20px
Left padding	5px

Internshala Trainings

CSS code

A screenshot of a code editor window. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: sample.html and # style.css. The # style.css tab is active and displays the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding: 10px 40px 20px
6  }
```

Padding

Top padding	10px
Right padding	40px
Bottom padding	20px

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CSS code

A screenshot of a code editor window. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: sample.html and # style.css. The # style.css tab is active and displays the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding: 10px 40px 20px
6  }
```

Padding

Top padding	10px
Right padding	40px
Bottom padding	20px
Left padding	40px

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CSS code

A screenshot of a code editor window. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main area shows two files: sample.html and style.css. The style.css file contains the following CSS code:

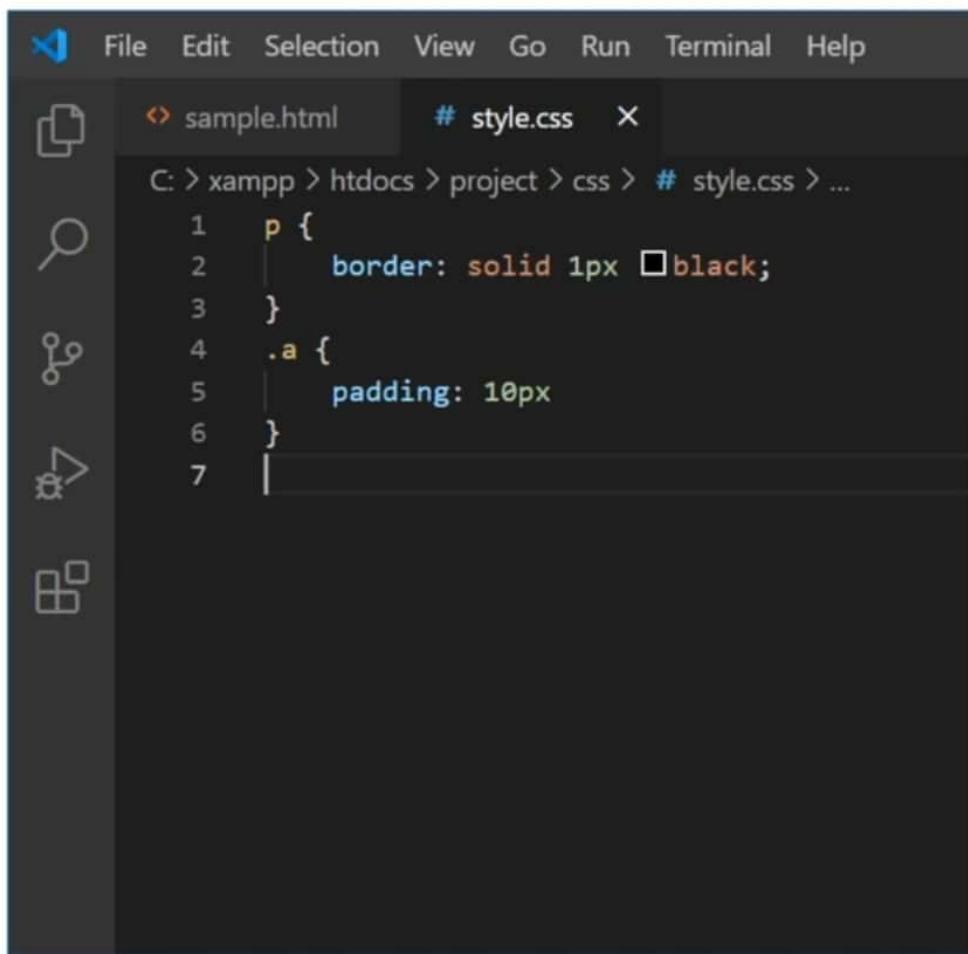
```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding: 10px 40px
6  }
```

Padding

Top padding	10px
Right padding	40px
Bottom padding	10px
Left padding	40px

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CSS code



A screenshot of a code editor window. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: sample.html and # style.css. The # style.css tab is active and displays the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding: 10px
6  }
```

Padding

Top padding	10px
Right padding	10px
Bottom padding	10px
Left padding	10px

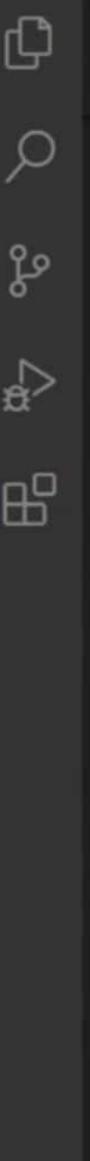
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Exercise

Download the given HTML code from the helper text and assign padding values to any element and observe the output.

Subproperties of padding

1. padding-top
2. padding-right
3. padding-bottom
4. padding-left

A vertical column of small, semi-transparent icons representing various file types and operations, such as text files, images, and search functions.

sample.html X # style.css

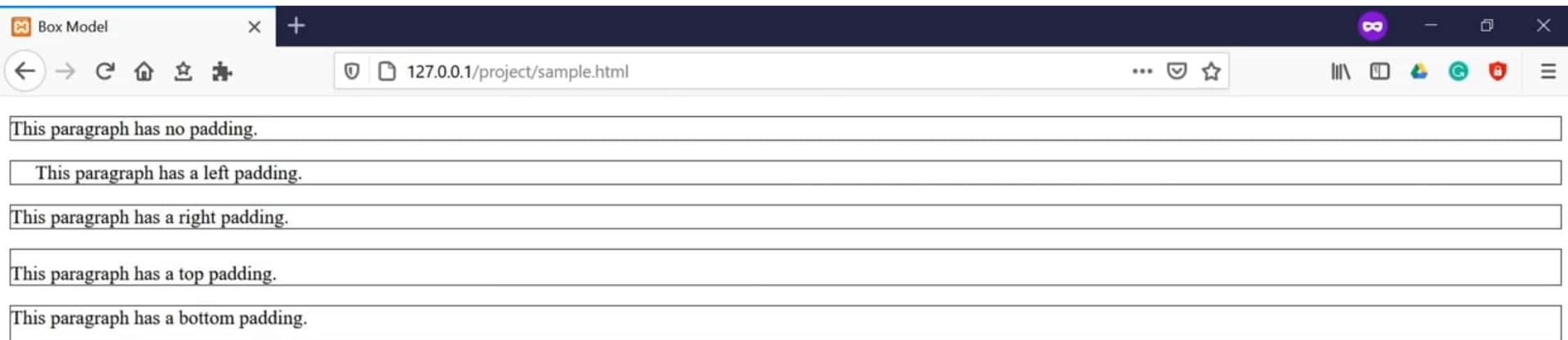
```
C: > xampp > htdocs > project > sample.html > ...
4     <link rel="stylesheet" href="css/style.css" />
5     </head>
6     <body>
7         <div>
8             <p>
9                 This paragraph has no padding.
10            </p>
11            <p class="a">
12                This paragraph has a left padding.
13            </p>
14            <p class="b">
15                This paragraph has a right padding.
16            </p>
17            <p class="c">
18                This paragraph has a top padding.
19            </p>
20            <p class="d">
21                This paragraph has a bottom padding.
22            </p>
23        </div>
24    </body>
25 </html>
26
```

sample.html # style.css X

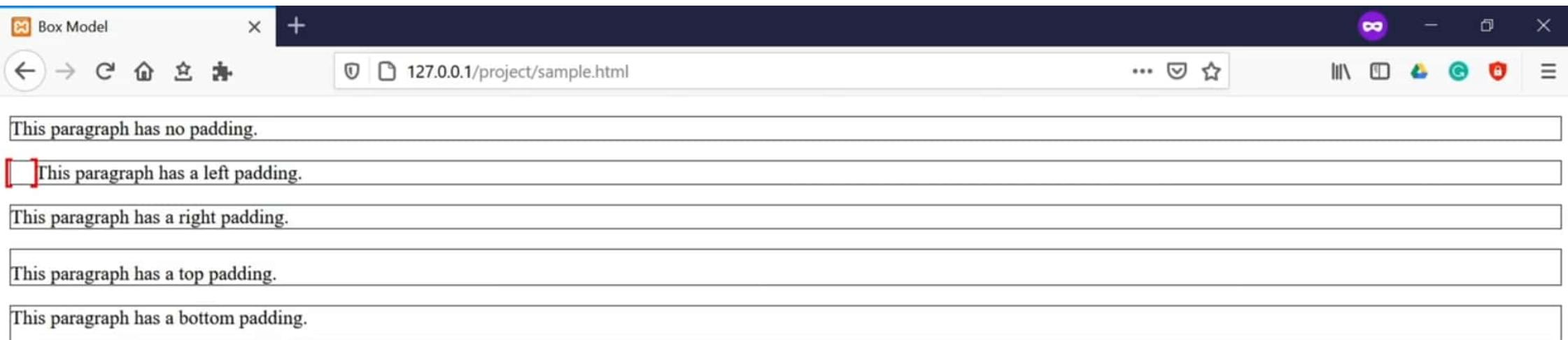
```
C: > xampp > htdocs > project > css > # style.css > ...  
1  p {  
2      border: solid 1px black;  
3  }  
4  .a {  
5      padding-left: 20px;  
6  }  
7  .b {  
8      padding-right: 20px;  
9  }  
10 .c {  
11     padding-top: 10px;  
12 }  
13 .d {  
14     padding-bottom: 10px;  
15 }  
16 |
```

sample.html # style.css X

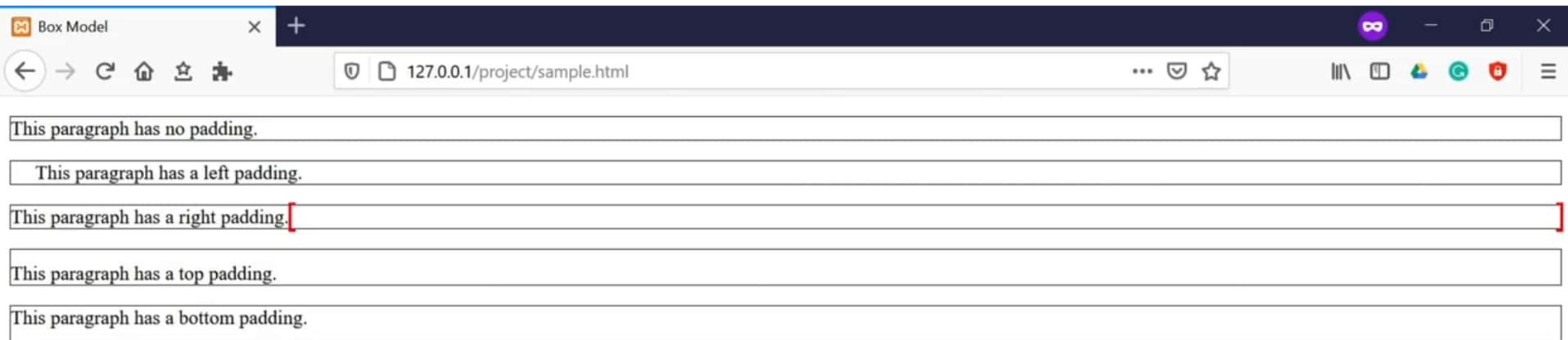
```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 1px black;
3  }
4  .a {
5      padding-left: 20px;
6  }
7  .b {
8      padding-right: 20px;
9  }
10 .c {
11     padding-top: 10px;
12 }
13 .d {
14     padding-bottom: 10px;
15 }
16
```



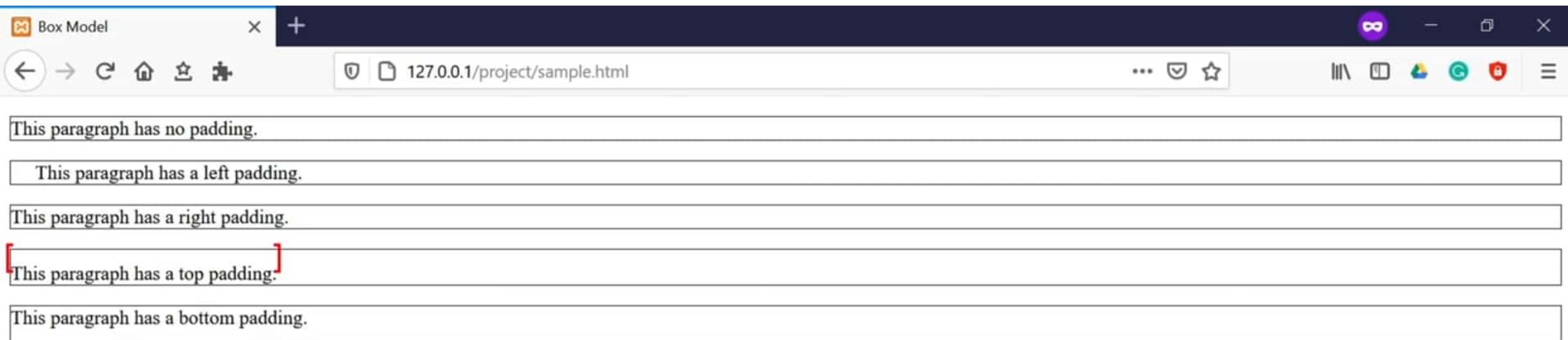
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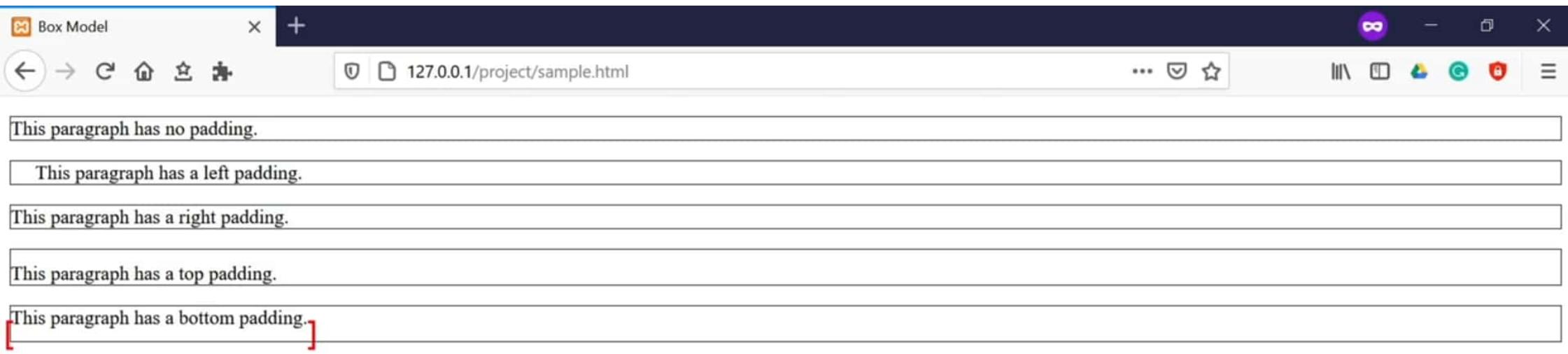
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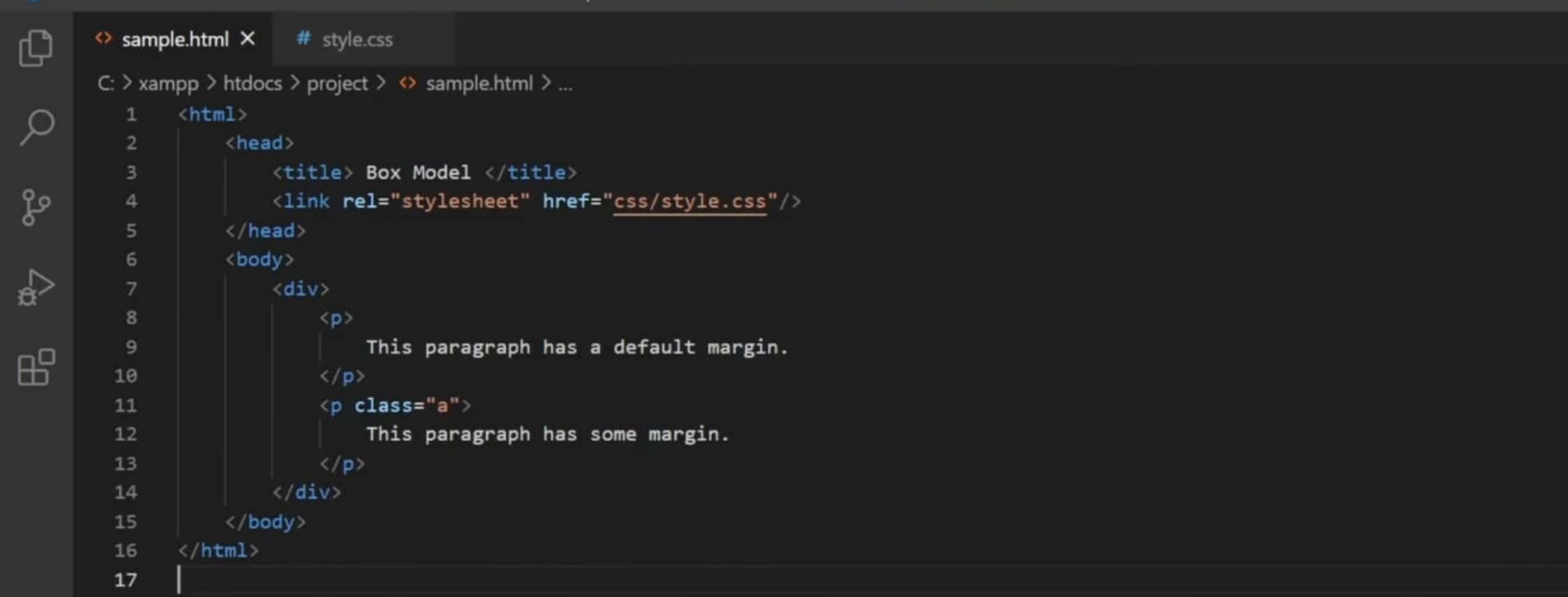


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Margin

It is the space around the element outside its border and is added to maintain space between adjacent elements.

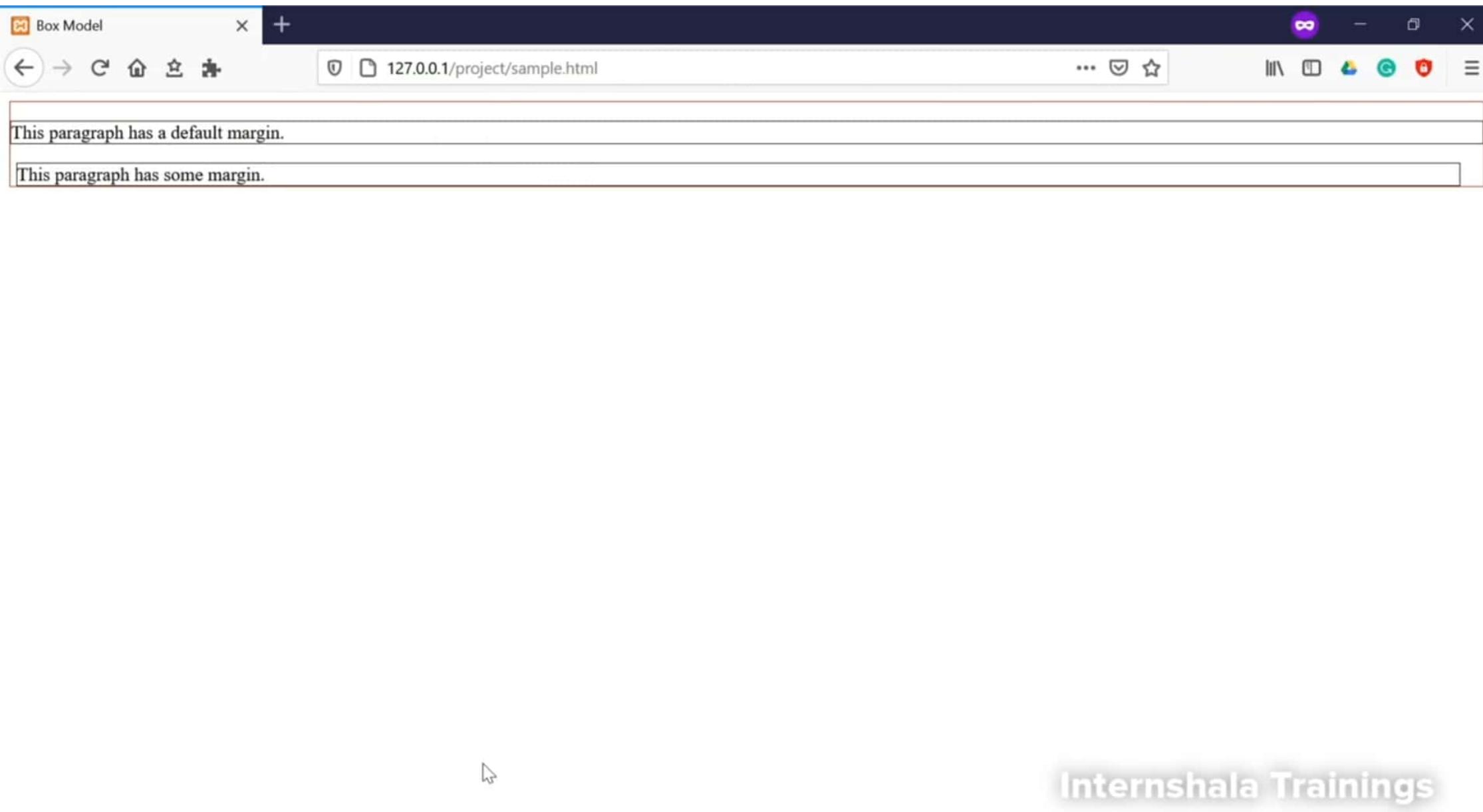
A screenshot of the Visual Studio Code interface. The title bar shows "sample.html - Visual Studio Code". The left sidebar has icons for file operations like new, open, save, and close. The main editor area shows two tabs: "sample.html X" and "# style.css". The "sample.html" tab is active and contains the following code:

```
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>
9         This paragraph has a default margin.
10      </p>
11      <p class="a">
12        This paragraph has some margin.
13      </p>
14    </div>
15  </body>
16</html>
```

The "# style.css" tab is also visible but its content is not shown in the screenshot.

sample.html # style.css X

```
C: > xampp > htdocs > project > css > # style.css > ...
1  div {
2      border: solid 1px red;
3  }
4  p {
5      border: solid 1px black;
6  }
7  .a {
8      margin: 10px 20px 0px 5px;
9  }
10
```



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Subproperties of margin

1. margin-top
2. margin-right
3. margin-bottom
4. margin-left

```
selector {  
property:value;  
}
```

Where, property = (margin-top/ margin-right/margin-bottom/margin-left)

Exercise

Download the given HTML code from the helper text and assign margin property value and margin subproperties values to various elements and observe the output.

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Height and Width

They are used to specify height and width of an element.

⌚ Height and Width

```
selector{  
height:value;  
}
```

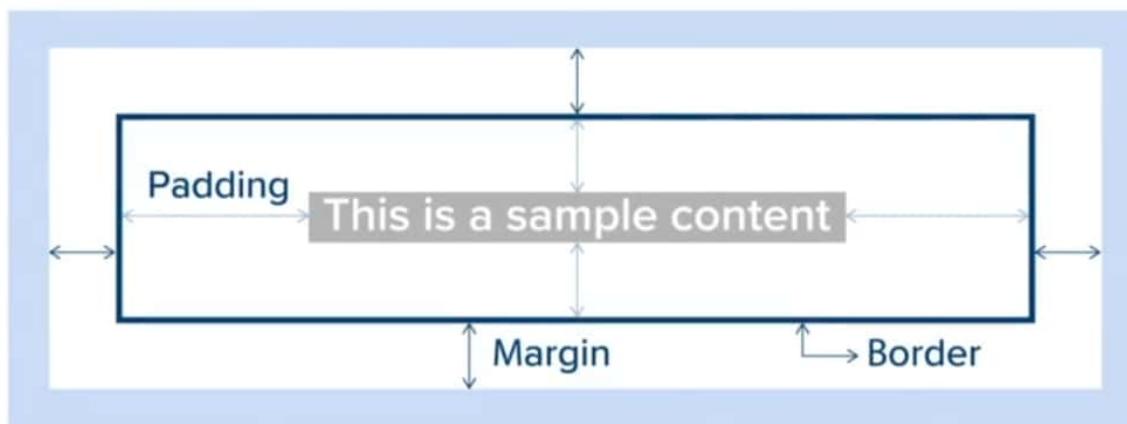
```
selector{  
width:value;  
}
```

⌚ Height and Width

- **value = auto**
It means minimal space needed to fit in the content.
- Default value of height is auto.
- Default value of width is different for different elements.

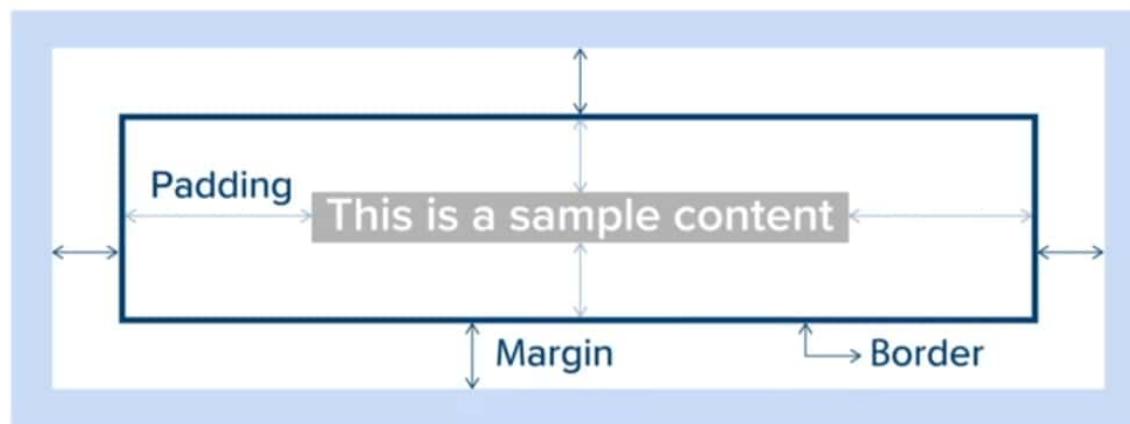
⌚ Height and Width

Actual height and width > defined height and width



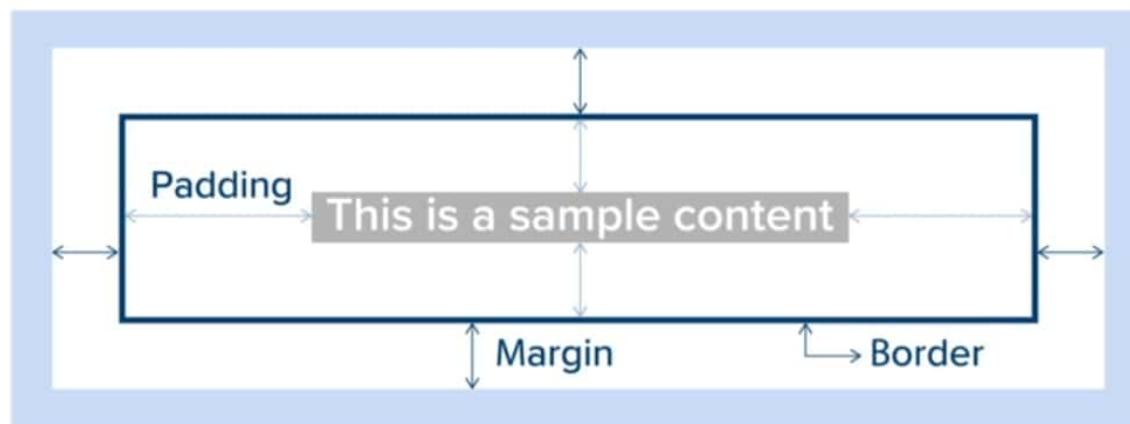
① Height and Width

Actual height occupied = border-top + padding-top + defined height+ padding-bottom + border-bottom



① Height and Width

Actual width occupied = border-left + padding-left
+ defined width+ padding-right + border-right



A vertical column of small, semi-transparent icons representing various file types and operations, such as text files, images, and search functions.

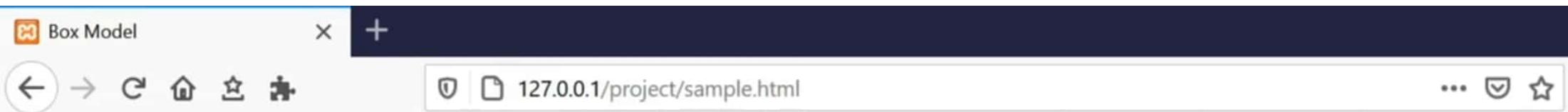
sample.html X # style.css

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2      <head>
3          <title> Box Model </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div>
8              <p>
9                  This paragraph has no padding.
10             </p>
11             <p class="abc">
12                 This paragraph has a padding of 20px.
13             </p>
14         </div>
15     </body>
16 </html>
17
```

sample.html # style.css X

```
C: > xampp > htdocs > project > css > # style.css > ...
1  p {
2      border: solid 5px black;
3      height: 100px;
4      width: 300px;
5  }
6  .abc {
7      padding: 20px;
8  }
9
```



This paragraph has no padding.

This paragraph has a padding of 20px.



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box-sizing

It is used to define height and border either in the content box or the border box.

- border-sizing:value
Where, value = border-box/content-box.
- Default value is content-box.

HTML code

A screenshot of a code editor window titled "sample.html". The code is as follows:

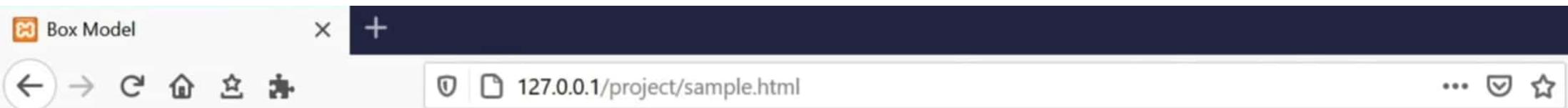
```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Box Model </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <p>
9          This paragraph has no padding.
10       </p>
11       <p class="abc">
12         This paragraph has a padding of 20px.
13       </p>
14     </div>
15   </body>
16 </html>
17
```

CSS code

A screenshot of a code editor window titled "style.css". The code is as follows:

```
C:\xampp>htdocs>project> css> style.css > ...
1  p {
2    border: solid 5px black;
3    height: 100px;
4    width: 300px;
5  }
6
```

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This paragraph has no padding.

This paragraph has a padding of 20px.



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HTML code

```
<div>
  <element1>
  <element2>
  <element3>
  <element4>
</div>
```

CSS code

```
*{
  box-sizing: border-box;
}
```

Module 2 > Topic 6 > Video 1

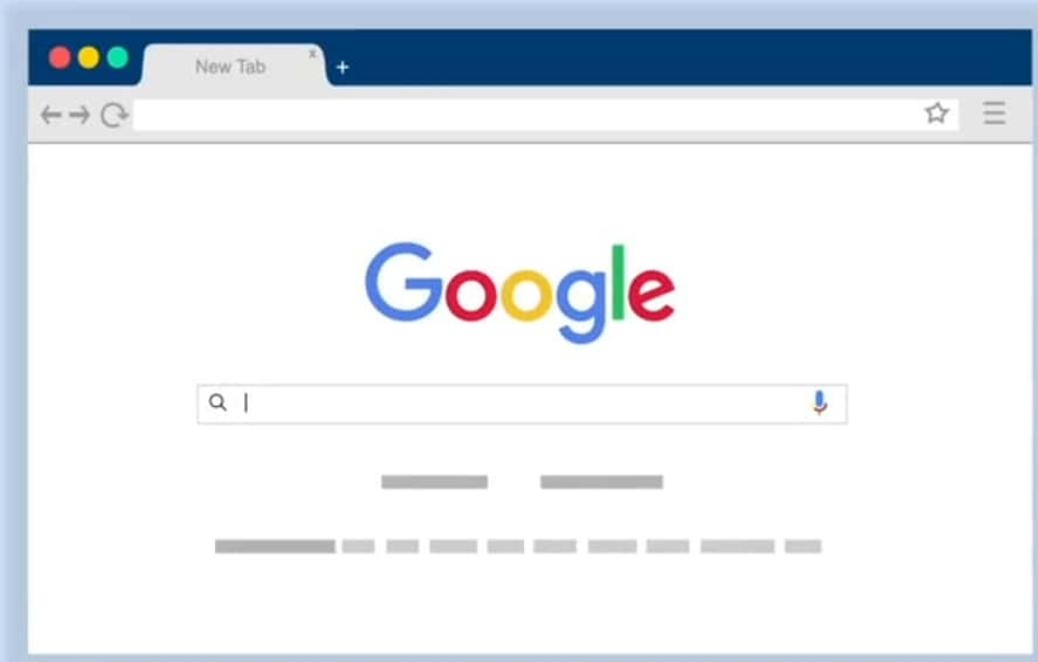
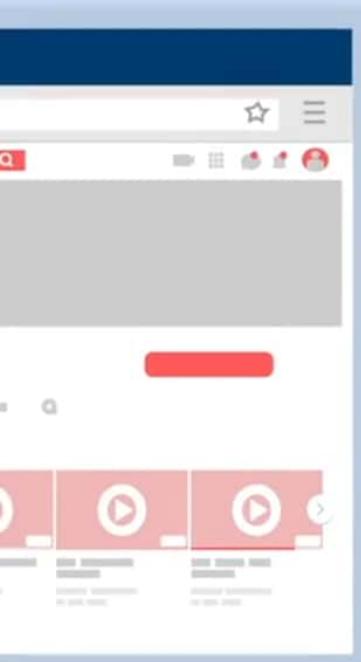
Working With Inspect Element



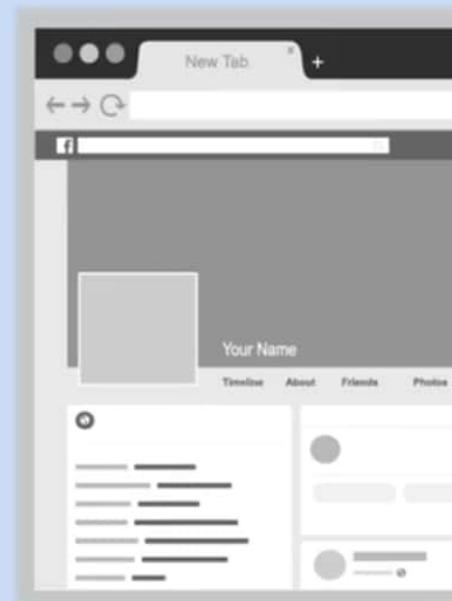
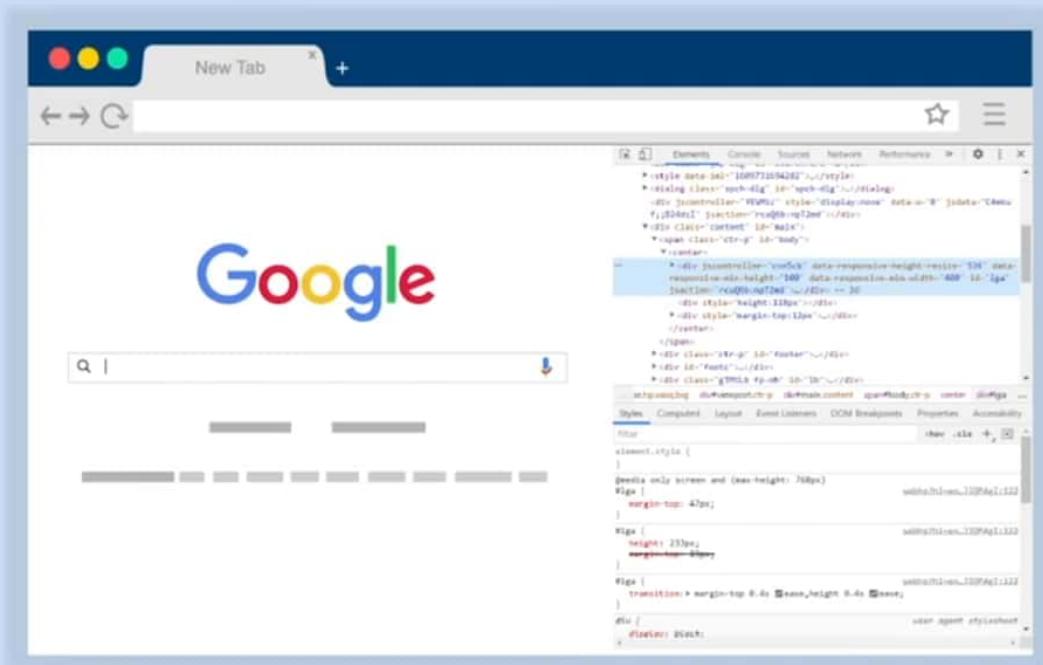
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Learning objectives

- Explain the importance of the inspect element.
- Explore various tabs present on the inspect element panel.
- Edit the CSS code of any web page and see how it affects the web page.



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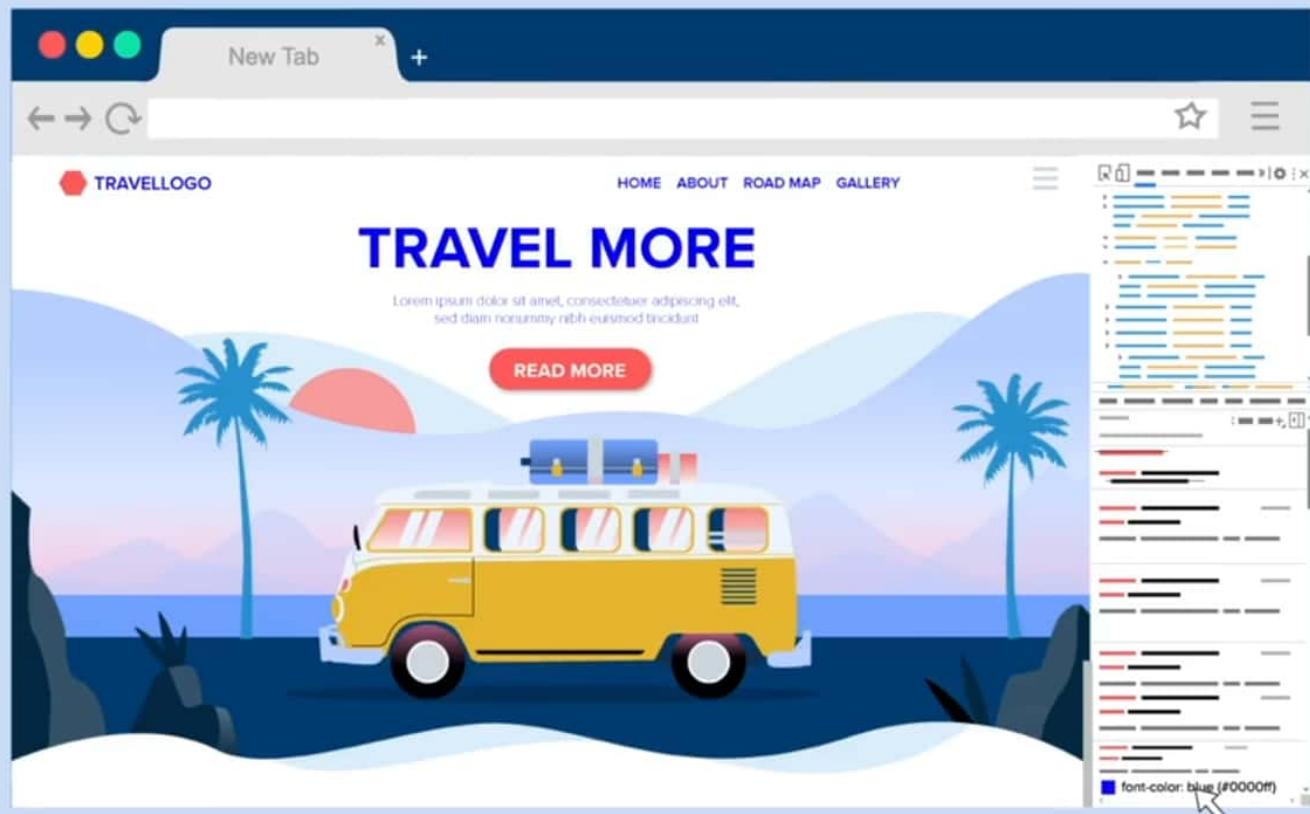


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Inspect Element

It is a browser integrated developer's tool that is present in almost all widely used web browsers.



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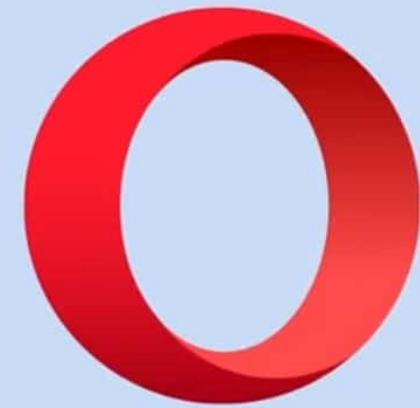
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Firefox



Safari



Opera

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New Tab

X +

V - □ X



Incognito

← → C https://trainings.internshala.com/

https://trainings.internshala.com

Q https://trainings.internshala.com/ - Google Search



You've gone incognito

Now you can browse privately, and other people who use this device won't see your activity.
However, downloads, bookmarks and reading list items will be saved. [Learn more](#)

Chrome won't save the following information:

- Your browsing history
- Cookies and site data
- Information entered in forms

Your activity might still be visible to:

- Websites you visit
- Your employer or school
- Your internet service provider

Block third-party cookies

When on, sites can't use cookies that track you across the web. Features on some sites may break.



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Skill Fest

Learn · Compete · Win

Learn in-demand skills and
win cash rewards worth

- Back Alt+Left Arrow
- Forward Alt+Right Arrow
- Reload Ctrl+R
- Save as... Ctrl+S
- Print... Ctrl+P
- Cast...
- Translate to English
- View page source Ctrl+U
- Inspect Ctrl+Shift+I

Online T

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Skill Fest

Learn • Compete • Win

Learn in-demand skills and win cash rewards worth ₹ 9 lacs!

06h: 54m: 32s

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TEST TEST

Elements Console Sources Network Performance

```
<html xmlns="http://www.w3.org/1999/xhtml" xmlns:og="http://ogp.me/ns#><head id="head">...</head>
<body ng-app="vtcApp" class="ng-scope">
  <!-- Google Tag Manager (noscript) -->
  <noscript>...</noscript>
  <!-- End Google Tag Manager (noscript) -->
  <div id="ribbon_notification" class="notification notification_ribbon"> </div>
  <div id="wrapper" ng-controller="mainController" class="ng-scope" style="min-height: 648px;">
    <div id="success_notification" class="notification notification_success"> </div>
    <div id="error_notification" class="notification notification_error"> </div>
    <div id="header">...</div>
    <div reactive-nav id="content" class="content-no-padding ng-scope" ng-controller="homepageController" ng-init="timer = {};">
      ... html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know ...
  
```

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter

element.style {

}

#content .heading {

text-align: center;

color: #333;

font-size: 28px;

margin: 50px 15px 0;

font-family: proxima-semibold;

font-style: normal;

font-weight: 400;

font-weight: 500;

}

p {

margin: 0 0 10px;

}

p {

index.1622805819.css:12

contests_bar_05819.css:5

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index.1622805819.css:5

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Skill Fest

Learn • Compete • Win

Learn in-demand skills and win cash rewards worth ₹ 9 lacs!

06h: 54m: 28s

Job in I

A com help y 3LPA+

Know

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Contests (14)

TEST TEST

Elements Console Sources Network Performance > Close

html xmlns="http://www.w3.org/1999/xhtml" xmlns:og="http://ogp.me/ns#" xmlns:fb="http://www.facebook.com/2008/fbml">...<!-- Google Tag Manager (noscript) --><noscript><!-- End Google Tag Manager (noscript) -->

...

...

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

element.style {

#content .heading {

text-align: center;

color: #333;

font-size: 28px;

margin: 50px 15px 0;

font-family: proxima-semibold;

font-style: normal;

font-weight: 400;

font-weight: 500;

}

p {

margin: 0 0 10px;

}

p {

index.1622805819.css:12

index.1622805819.css:5

contests_bar_05819.css:5

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Know more



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Contests (14)

TEST TEST

Elements Console Sources Network Performance

timer.message = 'Hurry! Register for the contest.'
timer.placeholder = '';
timer.startDate = '1622806471';
timer.endDate = '1622831399';
timer.type = 'contest-timer';
"
► <div id="homepage-carousel" class="carousel slide" interval="5000">...</div>
... <p class="heading" id="know-more"> Online Training
► <div id="courses-container" class="max-width-conta
► <section id="specialization" class="jos-specializa
</div>

► <div id="footer">...</div>
... html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know ...

Show console drawer Esc
Search Ctrl+Shift+F
Run command Ctrl+Shift+P
Open File Ctrl+P
More tools >
Shortcuts >
Help >

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

element.style {
}
content .heading {
text-align: center;
color: #333;
font-size: 28px;
margin: 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 400;
font-weight: 500;
}
p {
margin: 0 0 10px;
}
p {

index.1622805819.css:12
index.1622805819.css:5
contests_05819.css:5
Internshala Trainings
index.1622805819.css:5

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Skill Fest

Learn • Compete • Win

Learn in-demand skills and win cash rewards worth ★ ₹ 9 lacs! ★

⌚ 06h: 54m: 07s

timer.message = 'Hurry! Register for the contest.'
timer.placeholder = '';
timer.startDate = '1622806471';
timer.endDate = '1622831399';
timer.type = 'contest-timer';
"
► <div id="homepage-carousel" class="carousel slide" interval="5000">...</div>
...
► <p class="heading" id="know-more"> Online Training
► <div id="courses-container" class="max-width-conta...
► <section id="specialization" class="jos-specializa...></div>

► <div id="footer">...</div>
... html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know ...
Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter

element.style {
}
content .heading {
text-align: center;
color: #333;
font-size: 28px;
margin: 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 400;
font-weight: 500;
}
p {
margin: 0 0 10px;
}
p {
}

Dock side Dock to bottom

Show console dock

Search Ctrl+Shift+F

Run command Ctrl+Shift+P

Open File Ctrl+P

More tools

Shortcuts

Help

index.1622805819.css:12

contests_ban_05819.css:5

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index.1622805819.css:5

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Know more



Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.placeholder = '';
timer.startDate = '1622806471';
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
▶ <div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">_</div>
  <p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
▶ <div id="courses-container" class="max-width-container">_</div>
▶ <section id="specialization" class="jos-specialization-course">_</section>
</div>
<br>
<br>
<br>
▶ <div id="footer">_</div>
</div>
<script>var isMobile = '0';</script>
html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading
```

Styles Computed Layout Event Listeners »
Filter :hov .cls + []
element.style {
}
#content .heading { index.1622805819.css:12
 text-align: center;
 color: #333;
 font-size: 28px;
 margin: 50px 15px 0;
 font-family: proxima-semibold;
 font-style: normal;
 font-weight: 400;
 font-weight: 500;
}
p { contest_banner_05819.css:5
 margin: 0 0 10px;

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Know more

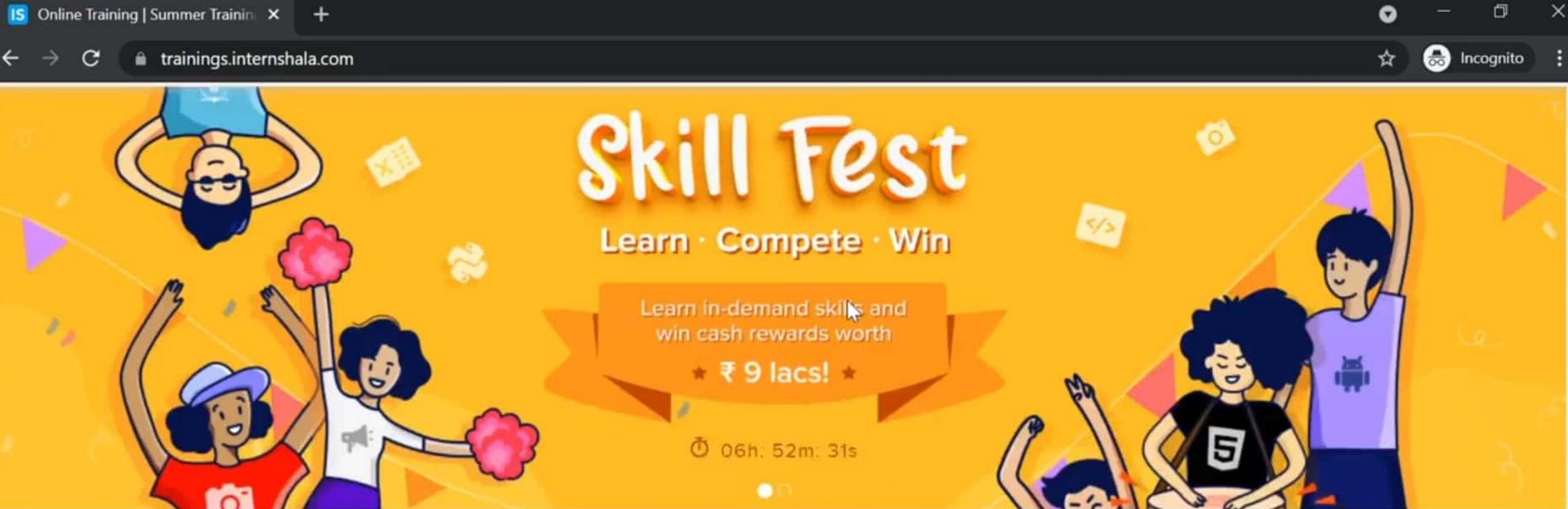


Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.startDate = '1622806471';
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">...</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">...</div>
<section id="specialization" class="jos-specialization-course">...</section>
</div>
<br>
<br>
<br>
<div id="footer">...</div>
</div>
<script>var isMobile = '0';</script>
html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading
```

Styles Computed Layout Event Listeners »
Filter :hov .cls + []
element.style {
}
#content .heading { index.1622805819.css:12
text-align: center;
color: #333;
font-size: 28px;
margin: 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 400;
font-weight: 500;
p { contest_banner_05819.css:5
margin: 0 0 10px;

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Elements Console Sources Network Performance Memory Application Security Lighthouse

timer.endDate = '1622831399';
timer.type = 'contest-timer';
"
▶ <div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">...</div>
 <p class="heading" id="know-more"> Online Trainings we offer:</p> == \$0
▶ <div id="courses-container" class="max-width-container">...</div>
▶ <section id="specialization" class="jos-specialization-course">...</section>
</div>

▶ <div id="footer">...</div>
</div>
<script>var isMobile = '0';</script>
<script src="https://trainings.internshala.com/static/js/pagespeed.1622805818.js"></script>

html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

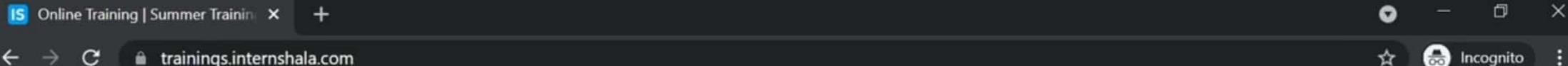
Styles Computed Layout Event Listeners »

Filter :hov .cls +

element.style {
}
#content .heading { index.1622805819.css:12
 text-align: center;
 color: #333;
 font-size: 28px;
 margin: 50px 15px 0;
 font-family: proxima-semibold;
 font-style: normal;
 font-weight: 400;
 font-weight: 500;

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p { contest_banner.05819.css:5
 margin: 0 0 10px;



Online Trainings we offer:

Contests (14)

The screenshot shows the developer tools open in a browser window. The Elements tab is active, displaying the HTML structure of the page. The Styles tab is also visible, showing the CSS rules applied to the selected element. A red box highlights the Styles tab and its content.

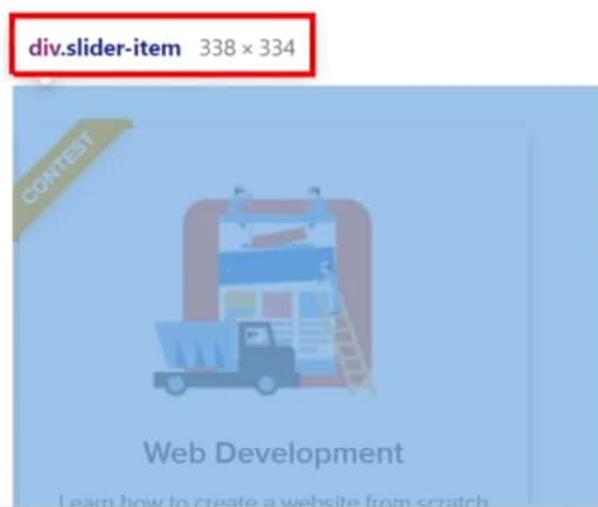
Elements Tab Content:

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">...</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">...</div>
<section id="specialization" class="jos-specialization-course">...</section>
</div>
<br>
<br>
<br>
<div id="footer">...</div>
</div>
<script>var isMobile = '0';</script>
<script src="https://trainings.internshala.com/static/js/pagespeed.1622805818.js"></script>
```

Styles Tab Content (highlighted by a red box):

```
element.style {
}
#content .heading {
    index.1622805819.css:12
    text-align: center;
    color: #333;
    font-size: 28px;
    margin: 50px 15px 0;
    font-family: proxima-semibold;
    font-style: normal;
    font-weight: 400;
    font-weight: 500;
}
p {
    margin: 0 0 10px;
}
```

Online Trainings we offer:



Web Development

[Learn how to create a website from scratch](#)



Digital Marketing

Learn SEO, Search Engine Marketing, Web



Programming with Python

Build a fantasy cricket name using Python



AutoCAD

Learn to build 2D drafts and 3D

Styles Computed Layout Event Listeners >

Filter :hov .cls + [x]

```
element.style {  
}  
  
#content .heading { index.1622805819.css:12  
    text-align: center;  
    color: #333;  
    font-size: 28px;  
    margin: 50px 15px 0;  
    font-family: proxima-semibold;  
    font-style: normal;  
    font-weight: 400;  
    font-weight: 500;  
  
}  
  
p { contest_ban...05819.css:5  
    margin: 0 0 10px:  
    color: red;  
    font-weight: bold;  
    font-size: 1.2em;  
    border-bottom: 1px solid black;  
    padding-bottom: 5px;  
    font-family: proxima-semibold;  
    font-style: normal;  
    font-weight: 400;  
    font-weight: 500;  
}
```

Online Trainings we offer:

p#know-more.heading 1233.33 x 40

Contests (14)



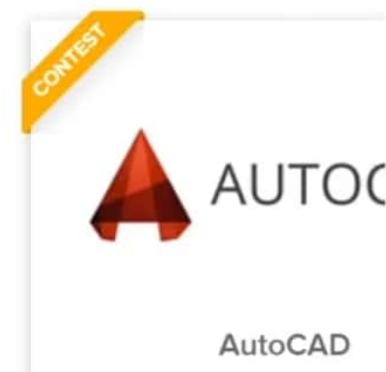
Web Development



Digital Marketing



Programming with Python



AutoCAD

Learn how to create a website from scratch

Learn SEO, Search Engine Marketing, Web

Build a fantasy cricket name using Python

Learn to build 2D drafts and 3D

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
"
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
      </div>
    </div>
  </div>
</div>
```

Styles Computed Layout Event Listeners »

Filter :hov .cls +

element.style { }

#content .heading { index.1622805819.css:12

text-align: center;

color: #333;

font-size: 28px;

margin: 50px 15px 0;

font-family: proxima-semibold;

font-style: normal;

font-weight: 400;

font-weight: 500;

p { contest_banner_05819.css:5

margin: 0 0 10px;

Internshala Trainings

Online Trainings we offer:

Contests (14)



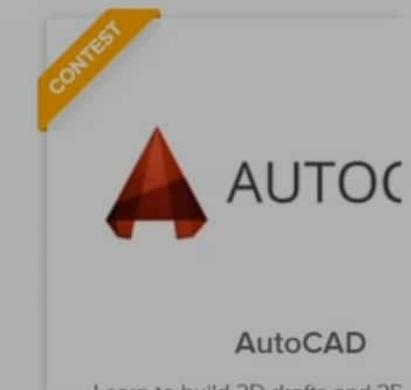
Web Development



Digital Marketing



Programming with Python



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Elements Console Sources Network Performance Memory Application Security Lighthouse

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<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
    
```

html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

Styles Computed Layout Event Listeners >

Filter :hov .cls +

element.style {

#content .heading { index_1622805819.css:12

text-align: center;

color: #333;

font-size: 28px;

margin: 50px 15px 0;

font-family: proxima-semibold;

font-style: normal;

font-weight: 400;

font-weight: 500;

p { contest_banner_05819.css:5

margin: 0 0 10px;

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Online Trainings we offer: Paused in debugger ▶ ↻

Contests (14)

CONTEST



Web Development

Learn how to create a website from scratch

CONTEST



Digital Marketing

Learn SEO, Search Engine Marketing, Web

CONTEST



Programming with Python

Build a fantasy cricket game using Python

CONTEST



AUTOC

Reveal in Sources panel

Open in new tab

Copy selector

Copy rule

Copy all declarations

Copy link address

Copy file name

Styles Computed La

Filter

element.style {
}

#content .heading {

text-align: center;
 color: #3333;
 font-size: 28px;
 margin: 50px 15px 0;
 font-family: proxima-semibold;
 font-style: normal;
 font-weight: 400;
 font-weight: 500;

p {
margin: 0 0 10px;

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
      </div>
    </div>
  </div>
</div>
```

html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

Internshala Trainings +

```
/*! Bootstrap v3.3.7 (http://getbootstrap.com)
 * Copyright 2011-2016 Twitter, Inc.
 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
 //*/ normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.css */ a, pre, code, table {background-color: transparent}.label, audio, canvas, progress, sub, sup, video {vertical-align: baseline}.collapsing, .dropdown-menu .divider, .nav .nav-divider, .sr-only, svg:not(:root) {overflow: hidden}.fa, .glyphicon{-moz-osx-font-smoothing: grayscale}.CodeMirror-scroll, pre{word-wrap: break-word}html{font-family: sans-serif; -ms-text-size-adjust: 100%; -webkit-text-size-adjust: 100%}article, aside, details, figcaption, figure, footer, header, hgroup, main, menu, nav, section, summary {display: block}audio, canvas, progress, video {display: inline-block}audio: not([controls]) {display: none; height: 0}[hidden], template {display: none}a: active, a: hover {outline: 0}dfn {font-style: italic}h1 {margin: 1em 0}mark {background: #ff0; color: #000}sub, sup {font-size: 75%; line-height: 0; position: relative}sup {top: -.5em}sub {bottom: -.25em}img {border: 0; vertical-align: middle}hr {-webkit-box-sizing: content-box; box-sizing: content-box; height: 0}pre, textarea {overflow: auto}code, kbd, pre, samp {font-size: 1em}button, input, optgroup, select, textarea {color: inherit; font: inherit; margin: 0}button {overflow: visible}button, select {text-transform: none}button, html input[type=button], input[type=reset], input[type=submit] {-webkit-appearance: button; cursor: pointer}button[disabled], html input[disabled] {cursor: default}button: -moz-focus-inner, input: -moz-focus-inner {border: 0; padding: 0}input[type=checkbox], input[type=radio] {-webkit-box-sizing: border-box; box-sizing: border-box; padding: 0}input[type=number]: -webkit-inner-spin-button, input[type=number]: -webkit-outer-spin-button {height: auto}input[type=search]: -webkit-search-cancel-button, input[type=search]: -webkit-search-decoration { -webkit-appearance: none}optgroup {font-weight: 700}table {border-collapse: collapse; border-spacing: 0}td, th {padding: 0}/*! Source: https://github.com/h5bp/html5-boilerplate/blob/master/src/css/main.css */ @media print {blockquote, img, pre, tr {page-break-inside: avoid}, :after, :before {background: 0 0 !important; color: #000 !important; -webkit-box-shadow: none !important; box-shadow: none !important; text-shadow: none !important}a, a: visited {text-decoration: underline}a[href]: after {content: " (" attr(href) ")" }abbr[title]: after {content: " (" attr(title) ")" }a[href^="javascript: "]: after, a[href^="#": after {content: ""}blockquote, pre {border: 1px solid #999}thead {display: table-header-group}img {max-width: 100% !important}h2, h3, p {orphans: 3; widows: 3}h2, h3 {page-break-after: avoid}navbar {display: none} .btn, .dropdown-menu .caret {border-top-color: #000 !important}.label {border: 1px solid #000}.table {border-collapse: collapse !important}.table td, .table th {background-color: #fff !important}.table-bordered td, .table-bordered th {border: 1px solid #ddd !important}.btn, .btn-danger {active, .btn-default {active, .btn-info {active, .btn-primary {active, .btn-primary {active, .btn-success {active, .btn-warning {active, .btn-active, .btn: active, .dropdown-menu {disabled}: focus, .dropdown-menu {disabled}: hover, .form-control, .navbar-toggle, .open: dropdown-toggle, .btn-danger, .open: dropdown-toggle, .btn-default, .open: dropdown-toggle, .btn-info, .open: dropdown-toggle, .btn-primary, .open: dropdown-toggle, .btn-success, .open: dropdown-toggle, .btn-warning {background-image: none}img {background-color: #fff}@font-face {font-family: 'Glyphicons Halflings'; src: url(../fonts/glyphicons-halflings-regular.eot); src: url(../fonts/glyphicons-halflings-regular.eot?#iefix) format('embedded-opentype'), url(../fonts/glyphicons-halflings-regular.woff2) format('woff2'), url(../fonts/glyphicons-halflings-regular.woff) format('woff'), url(../fonts/glyphicons-halflings-regular.ttf) format('truetype'), url(../fonts/glyphicons-halflings-regular.svg) format('svg')}.glyphicon {position: relative; top: 1px; display: inline-block; font-family: 'Glyphicons Halflings'; font-style: normal; font-weight: 400; line-height: 1; -webkit-font-smoothing: antialiased}.glyphicon-asterisk {before {content: "\002a"} }.glyphicon-plus {before {content: "\002b"} }.glyphicon-eur {before, .glyphicon-euro {before {content: "\20ac"} }.glyphicon-minus {before {content: "\2212"} }.glyphicon-cloud {before {content: "\2601"} }.glyphicon-envelope {before {content: "\2709"} }.glyphicon-pencil {before {content: "\270f"} }.glyphicon-glass {before {content: "\e001"} }.glyphicon-music {before {content: "\e002"} }.glyphicon-search {before {content: "\e003"} }.glyphicon-heart {before {content: "\e005"} }.glyphicon-star {before {content: "\e006"} }.glyphicon-star-empty {before {content: "\e007"} }.glyphicon-user {before {content: "\e008"} }.glyphicon-film {before {content: "\e009"} }.glyphicon-th-large {before {content: "\e010"} }.glyphicon-th {before {content: "\e011"} }.glyphicon-th-list {before {content: "\e012"} }.glyphicon-ok {before {content: "\e013"} }.glyphicon-remove {before {content: "\e014"} }.glyphicon-zoom-in {before {content: "\e015"} }.glyphicon-zoom-out {before {content: "\e016"} }.glyphicon-off {before {content: "\e017"} }.glyphicon-signal {before {content: "\e018"} }.glyphicon-cog {before {content: "\e019"} }.glyphicon-trash {before {content: "\e020"} }.glyphicon-home {before {content: "\e021"} }.glyphicon-file {before {content: "\e022"} }.glyphicon-time {before {content: "\e023"} }.glyphicon-road {before {content: "\e024"} }.glyphicon-download-alt {before {content: "\e025"} }.glyphicon-download {before {content: "\e026"} }.glyphicon-upload {before {content: "\e027"} }.glyphicon-inbox {before {content: "\e028"} }.glyphicon-play-circle {before {content: "\e029"} }.glyphicon-repeat {before {content: "\e030"} }.glyphicon-refresh {before {content: "\e031"} }.glyphicon-list-alt {before {content: "\e032"} }.glyphicon-lock {before {content: "\e033"} }.glyphicon-flag {before {content: "\e034"} }.glyphicon-headphones {before {content: "\e035"} }.glyphicon-volume-off {before {content: "\e036"} }.glyphicon-
```

Online Trainings we offer:

Contests (14)



Web Development



Digital Marketing



Programming with Python



AutoCAD

Learn how to create a website from scratch

Learn SEO, Search Engine Marketing, Web

Build a fantasy cricket team using Python

Learn to build 2D drafts and 3D

Elements Console Sources Network Performance Memory Application Security Lighthouse Styles Computed Layout Event Listeners >

timer.endDate = '1622831399';
timer.type = 'contest-timer';
>
▼<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
►<ol class="carousel-indicators">...
►<div class="carousel-inner">...</div>
</div>
...<p class="heading" id="know-more"> Online Trainings we offer:</p> == \$0
▼<div id="courses-container" class="max-width-container">
►<div id="Contests" class="category-container">
►<div class="category-heading">...</div>
►<div class="custom-carousel" data-category="Contests">
►<div class="slider"> flex
►<div class="slider-item ">...</div>
►<div class="slider-item ">...</div>
html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

margin 50
border -
padding - 1233.330 × 40 - 15

Internshala Trainings

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Online Trainings we offer:

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Contests (14)

CONTEST



Web Development

Learn how to create a website from scratch

CONTEST



Digital Marketing

Learn SEO, Search Engine Marketing, Web

CONTEST



Programming with Python

Build a fantasy cricket game using Python

CONTEST



AutoCAD

Learn to build 2D drafts and 3D

Elements Console Sources Network Performance Memory Application Security Lighthouse

Styles Computed Layout Event Listeners >

Filter :hov .cls +

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
      </div>
    </div>
  </div>
</div>
```

margin 50
border -
padding -
15 - 1233.330 × 40 - 15

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Job Oriented Specialization In Data Science

A comprehensive industry oriented training program to help you build a career in Data Science and land a 3LPA+ job.

Show more

Online Trainings we offer:

Contests (4)

- SEO Development
- Digital Marketing
- Programming with Python
- AUTOCAD

timer.endDate = '1622831399';
timer.type = 'contest-timer';
>
▼div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
►ol class="carousel-indicators">
►div class="carousel-inner">
►div class="category-heading">
▼div id="Contests" class="category-container">
►div class="category-heading">
▼div class="custom-carousel" data-category="Contests">
►div class="slider">
►div class="slider-item">
►div class="slider-item">
html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

Styles Computed Layout Event Listeners >

margin 50
border -
padding -
15 - 3760 × 40 - 15 -
- - - -

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Filter Show all Group

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A comprehensive industry oriented training program to help you build a career in Data Science and land a 30K+ job.

Online Trainings we offer:

Contests (14)

- WW Development
- Digital Marketing
- Programming with Python
- AUTOCAD

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
    </div>
  </div>
</div>
```

Styles Computed Layout Event Listeners >

- color #rgb(51, 51, 51)
- display block
- font-family proxima-semibold
- font-size 28px
- font-style normal
- font-weight 500
- height 40px
- line-height 40px
- margin-block-end 0px
- margin-block-start 50px
- margin-bottom 0px
- margin-inline-end 15px
- margin-inline-start 15px
- margin-left 15px
- margin-right 15px

Internshala Trainings

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Online Trainings we offer:

Contents (14)



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www.Merriam-Webster.com

J. Nonlinear Sci. 2013, 23(6), 831–856

BRUNNEN Verlag



www.elsevier.com/locate/aim

2000-01



100-000

using fusion protein A and B.

800(C)(6)

```
imer.endDate = '1622831399';
imer.type = 'contest-timer';
>
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
  <div>
    <h2>Online Trainings we offer:</h2>
    <p>...</p>
    <div id="courses-container" class="max-width-container">
      <div id="Contests" class="category-container">
        ><div class="category-heading">...</div>
        ><div class="custom-carousel" data-category="Contests">
          ><div class="slider">flex</div>
          ><div class="slider-item ">...</div>
          ><div class="slider-item ">...</div>
```

Styles Computed Layout Event Listeners >

Filter	Show all	Group
► box-sizing	border-box	
▼ color	■rgb(51, 51, 51)	
■ #333	#content .heading	<u>index.1622805819.css:1</u>
● ■ #333	#wrapper #content, .ui-widget-content .ui-state-banner	<u>...2805819.css:1</u>
■ #333	#wrapper #content, .ui-widget-content	<u>index.1622805819.css:1</u>
■ #333	body	<u>contest_banner...22805819.css:5</u>
■ #333	body	<u>index.1622805819.css:5</u>
► display	block	
► font-family	proxima-semibold	
► font-size	28px	

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trainings.internshala.com

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Job Oriented Specialization In Data Science

A comprehensive industry oriented training program to help you build a career in Data Science and land a 3LPA+ job.

Online Trainings we offer:

Contests (4)

- WEB Development
- Digital Marketing
- Programming with Python
- AUTOCAD

Online Trainings we offer: **Online Trainings we offer:**

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
    </div>
  </div>
</div>
```

Styles Computed Layout Event Listeners >

Filter Show all Group

▶ box-sizing border-box
▼ color #rgb(51, 51, 51)
 ● #333 #content .heading index.1622805819.css:12
 ● #333 #wrapper #content, .ui-widget-c contest_banner..._2805819.css:12
 ● #333 #wrapper #content, .ui-widget-c index.1622805819.css:12
 ● #333 body contest_banner..._22805819.css:5
 ● #333 body index.1f22805819.css:5
 ● #333 display block
 ● font-family proxima-semibold
 ● font-size 28px

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trainings.internshala.com

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Job Oriented Specialization In Data Science

A comprehensive industry oriented training program to help you build a career in Data science and land a 3LPA+ job.

Online Trainings we offer:

Contests (4)

- SEO Development
- Digital Marketing
- Programming with Python
- AUTOCAD

Online Trainings we offer:
Contests (4)

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
    </div>
  </div>
</div>
```

Styles Computed Layout Event Listeners >

font-size 28px
font-style normal
font-weight 500
height 40px
line-height 40px
1.42857143 body
1.42857143 body
margin-block-end 0px
margin-block-start 50px
margin-bottom 0px
margin-block-end 5px
margin-inline-start 15px
margin-left 15px

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Job Oriented Specialization In Data Science

A comprehensive industry oriented training program to help you build a career in Data science and land a 3LPA+ job.

Online Trainings we offer:

Contests (4)

- SEO Development
- Digital Marketing
- Programming with Python
- AUTOCAD

Online Trainings we offer:
Contests (4)

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
    </div>
  </div>
</div>
```

Styles Computed Layout Event Listeners »

Filter :hov .cls +

```
body, pre { contest_ban_05819.css:5
  font-size: 13px;
}
body { contest_ban_05819.css:5
  margin: 0;
  line-height: 1.42857143;
  color: #333333;
}
body { index.1622805819.css:12
  font-family: -apple-system, sans-serif;
  font-size: normal;
  font-weight: 400;
```

Internshala Trainings

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com

Paused in debugger ▶ ⏪

Job Oriented Specialization In Data Science

A comprehensive industry oriented training program to help you build a career in Data science and land a 3LPA+ job.

Online Trainings we offer:

Contests (4)

- Java Development
- Digital Marketing
- Programming with Python
- AUTOCAD

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider" style="flex">
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
      </div>
    </div>
  </div>
</div>
```

Styles Computed Layout Event Listeners >

Filter Show all Group

Style	Value
align-content	normal
align-items	normal
align-self	auto
border-collapse	collapse
border-spacing	0px 0px
border-style	all
animation-delay	0s
animation-duration	0s

Internshala Trainings

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trainings.internshala.com

Paused in debugger ▶ ⏪

Job Oriented Specialization In Data Science

A comprehensive industry oriented training program to help you build a career in Data science and land a 3LPA+ job.

Online Trainings we offer:

Contests (4)

- HTML Development
- Digital Marketing
- Programming with Python
- AUTOCAD

Elements Console Sources Network Performance Memory Application Security Lighthouse

Styles Computed Layout Event Listeners >

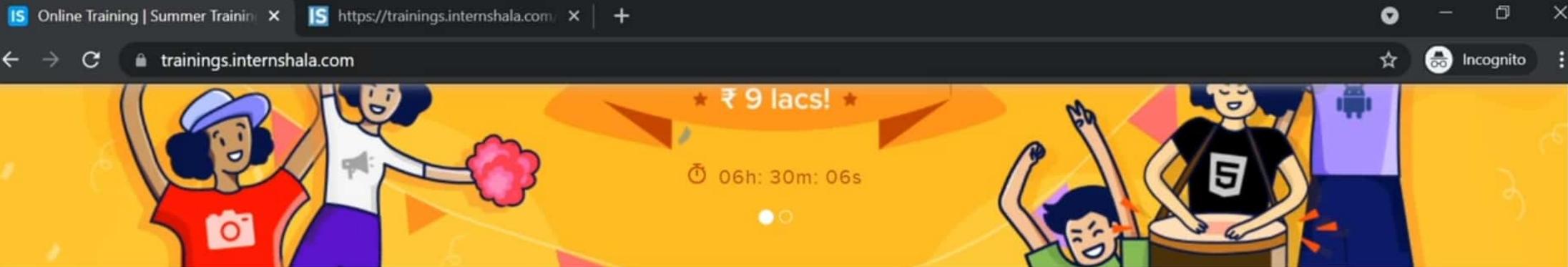
Filter Show all Group

Property	Value
align-content	normal
align-items	normal
align-self	auto
alignment-baseline	auto
all	
animation-delay	
animation-direction	normal
animation-duration	0s
animation-fill-mode	none
animation-iteration-count	
animation-name	none
animation-play-state	running
border-radius	0px

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider" style="flex">
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
      </div>
    </div>
  </div>
</div>
```

html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

Internshala Trainings



Online Trainings we offer:

Contests (14)

The screenshot shows a browser's developer tools open, specifically the Elements and Style tabs. The Elements tab displays the HTML structure of the page, including sections for contests and trainings. The Style tab shows the CSS properties for the selected element, with the 'color' property highlighted and its definition shown.

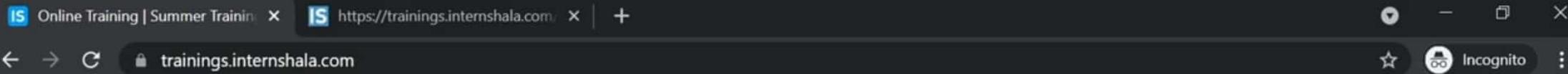
Elements

```
timer.startDate = '1622800474';
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
        <div class="slider-item ">...</div>
        <div class="slider-item ">...</div>
      </div>
    </div>
  </div>
</div>
```

Style

```
color
color-interpolation
color-interpolation-filters
font-color-rendering
color-scheme
color: black
color: currentcolor
color-interpolation: auto
color-interpolation-linearRGB
color: ;
font-size: 28px;
margin: ▶ 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 400;
font-weight: 500;
```

Internshala Trainings

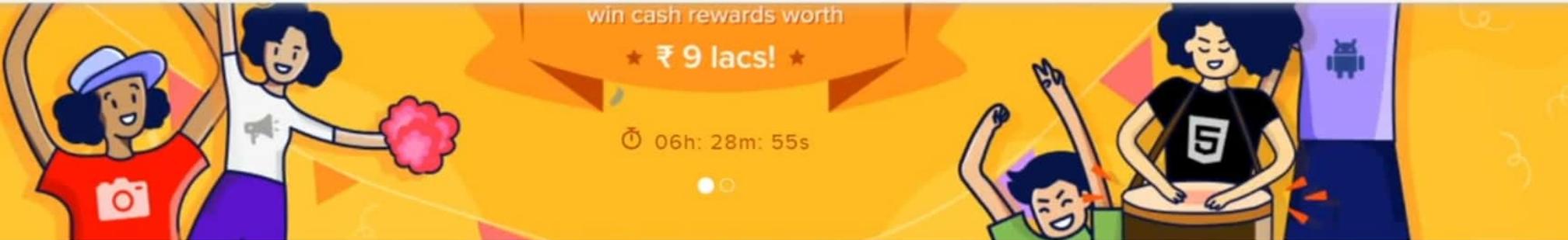


INTERNSHALA TRAININGS

ONLINE TRAININGS

CONTEST

LOGIN



Online Trainings we offer:

Elements Console Sources Network Performance Memory Application Security Lighthouse

timer.endDate = '1622831399';
timer.type = 'contest-timer';
>
▼<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
 ►<ol class="carousel-indicators">...
 ►<div class="carousel-inner">...</div>
 </div>
 <p class="heading" id="know-more" style="">
 Contests
 </p>
 <p>Online Trainings we offer:</p> == \$0
▼<div id="courses-container" class="max-width-container">
 ►<div id="Contests" class="category-container">
 ►<div class="category-heading">...</div>
 ▼<div class="custom-carousel" data-category="Contests">
 ►<div class="slider"> (flex)

Styles Computed Layout Event Listeners >

Filter :hov .cls +

element.style {
 color: blue;
}

#content .heading { index.1622805819.css:12
text-align: center;
color: #333;
color: pink;
font-size: 28px;
margin: 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 400;
font-weight: 500;

Internshala Trainings



ONLINE TRAININGS CONTEST LOGIN

3LPA+ job.

[Know more](#)



Online Trainings we offer:

Elements Console Sources Network Performance Memory Application Security Lighthouse

Toggle device toolbar Ctrl+Shift+M ↗;

```
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more" style="color: blue;">
  " > Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> (flex)
```

Styles Computed Layout Event Listeners >

Filter :hov .cls +

```
element.style {
  color: ■blue;
}

#content .heading {
  index.1622805819.css:12
  text-align: center;
  color: ■#333;
  color: ■pink;
  font-size: 28px;
  margin: ▶ 50px 15px 0;
  font-family: proxima-semibold;
  font-style: normal;
  font-weight: 500;
  font-weight: 500;
```

Internshala Trainings

html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com

Responsive ▾ 400 x 254 100% ▾ No throttling

INTERNSHALA TRAININGS

Know more

Elements Console Sources Network Performance Memory Application Security Lighthouse

Styles Computed Layout Event Listeners »

Filter :hov .cls +

```
timer.endDate = '1622800472';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more" style="color: blue;">
  "Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> (flex)
```

content .heading { index.1622805819.css:12

text-align: center;
color: #333;
color: pink;
font-size: 28px;
margin: 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 500;
font-weight: 500;

Scanned with CamScanner

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com

Responsive ▾ 400 x 254 100% No throttling

✓ Responsive

- Moto G4
- Galaxy S5
- Pixel 2
- Pixel 2 XL
- iPhone 5/SE
- iPhone 6/7/8
- iPhone 6/7/8 Plus
- iPhone X
- iPad
- iPad Pro
- Surface Duo
- Galaxy Fold

Edit...

TRAININGS

Elements Console Sources Network Performance Memory

Lighthouse

Styles Computed Layout Event Listeners »

Filter :hov .cls +

```
element.style { color: blue; } #content .heading { index.1622805819.css:12 text-align: center; color: #333; color: pink; font-size: 28px; margin: 50px 15px 0; font-family: proxima-semibold; font-style: normal; font-weight: 400; font-weight: 500; }
```

Internshala Trainings

```
timer.endDate = '1622805819';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more" style="color: blue;"> Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> (flex)
```

html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know-more.heading

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com Responsive 400 x 254 100% No throttling

✓ Responsive

- Moto G4
- Galaxy S5
- Pixel 2
- Pixel 2 XL
- iPhone 5/SE
- iPhone 6/7/8
- iPhone 6/7/8 Plus
- iPhone X
- iPad
- iPad Pro
- Surface Duo
- Galaxy Fold

Lighthouse

Elements Console Sources Network Performance Memory

```
timer.endDate = '1622800474';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more" style="color: blue;">Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> (flex)
```

Styles Computed Layout Event Listeners >

Filter :hov .cls +

```
element.style {
  color: blue;
}
#content .heading {
  index.1622805819.css:12
  text-align: center;
  color: #333;
  color: pink;
  font-size: 28px;
  margin: 50px 15px 0;
  font-family: proxima-semibold;
  font-style: normal;
  font-weight: 500;
  font-weight: 500;
```

The screenshot shows a browser window with the Internshala Trainings website loaded. The developer tools are open, specifically the responsive design and Lighthouse audit panels. The responsive panel shows a mobile view of the page with a yellow background and two cartoon characters. The Lighthouse audit panel shows a score of 90, with a breakdown of scores for Performance, Accessibility, and Lighthouse. The bottom of the screen shows the browser's address bar and tab bar.

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com

Responsive ▾ 400 x 254 100% ▾ No throttling

✓ Responsive

- Moto G4
- Galaxy S5
- Pixel 2
- Pixel 2 XL
- iPhone 5/SE
- iPhone 6/7/8
- iPhone 6/7/8 Plus
- iPhone X
- iPad
- iPad Pro
- Surface Duo
- Galaxy Fold

Edit...

Lighthouse

Elements Console Sources Network Performance Memory

```
timer.endDate = '1622800474';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more" style="color: blue;">
  Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> (flex)
```

Styles Computed Layout Event Listeners >

Filter :hov .cls +

```
element.style {
  color: blue;
}
#content .heading {
  index.1622805819.css:12
  text-align: center;
  color: #333;
  color: pink;
  font-size: 28px;
  margin: 50px 15px 0;
  font-family: proxima-semibold;
  font-style: normal;
  font-weight: 500;
  font-weight: 500;
```

The screenshot shows a browser window with the Internshala Trainings website loaded. The developer tools are open, specifically the responsive design and Lighthouse audit sections. The responsive panel is set to a Moto G4 device. The Lighthouse audit results are displayed, showing a score of 90 with 10 items listed. The bottom of the screen shows the Internshala Trainings logo.

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com Incognito

iPhone X ▾ 375 x 812 31% ▾ No throttling

Online Trainings we offer:

Contests (14)

Web Development

Learn how to create a website from scratch

Starts 16 Jan KNOW MORE ▾

Elements Console Sources Network Performance Memory Application Security Lighthouse

Styles Computed

Filter

element.style { color: blue; }

#content .heading { text-align: center; color: #333; color: pink; font-size: 28px; margin-top: 50px; font-family: sans-serif; font-style: normal; font-weight: 500; }

Dock side

Show console drawer Esc

Search Ctrl + Shift + F

Run command Ctrl + Shift + P

Open File Ctrl + P

More tools

Shortcuts

Help

```
timer.startDate = '2022-01-10T10:00:00Z';
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
<p class="heading" id="know-more" style="color: blue;">
  Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> (flex)
```

html body.ng-scope div# wrapper.ng-scope div# content.content-no-padding.ng-scope p# know-more.heading

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com

iPhone X ▾ 375 x 812 31% ▾ No throttling

Elements Console Sources Network Performance

Online Trainings we offer:

Contests (14)

Web Development

Learn how to create a website from scratch

KNOW MORE ▾

Online Trainings we offer:

Contests (14)

Web Development

Learn how to create a website from scratch

KNOW MORE ▾

```
timer.endDate = '1622831399';
timer.type = 'contest-timer';
">
<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
  <ol class="carousel-indicators">...</ol>
  <div class="carousel-inner">...</div>
</div>
...
<p class="heading" id="know-more" style="color: blue;">
  " > Online Trainings we offer:</p> == $0
<div id="courses-container" class="max-width-container">
  <div id="Contests" class="category-container">
    <div class="category-heading">...</div>
    <div class="custom-carousel" data-category="Contests">
      <div class="slider"> flex
...
html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know ...

```

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls + []

```
element.style {
  color: blue;
}
#content .heading {
  text-align: center;
  color: #333;
  color: pink;
  font-size: 28px;
  margin: 50px 15px 0;
  font-family: proxima-semibold;
  font-style: normal;
  font-weight: 400;
  font-weight: 500;
}
p {
  margin: 0 0 10px;
}
```

Internshala Trainings

IS Online Training | Summer Trainin X IS https://trainings.internshala.com/ X +

trainings.internshala.com

iPhone X ▾ 375 x 812 31% ▾ No throttling

Elements Console Sources Network Performance

50%
75%
100%
125%
150%
Fit to window (69%)
✓ Auto-adjust zoom

INTERSHALA TRAININGS

Online Trainings we offer:

Contests (14)

Web Development

Online Trainings we offer:
Contests (14)
Web Development
Learn how to become a developer from scratch.
KNOW MORE →

timer.endDate = '1622831399';
timer.type = 'contest-timer';
"
▼<div id="homepage-carousel" class="carousel slide" data-ride="carousel" data-interval="5000">
▶<ol class="carousel-indicators">...
▶<div class="carousel-inner">...</div>
</div>
...<p class="heading" id="know-more" style="color: blue;">
"> Online Trainings we offer:</p> == \$0
▼<div id="courses-container" class="max-width-container">
▼<div id="Contests" class="category-container">
▶<div class="category-heading">...</div>
▼<div class="custom-carousel" data-category="Contests">
▼<div class="slider"> flex
... html body.ng-scope div#wrapper.ng-scope div#content.content-no-padding.ng-scope p#know ...

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls + []

element.style {
color: blue;
}

#content .heading {
text-align: center;
color: #333;
color: pink;
font-size: 28px;
margin: 50px 15px 0;
font-family: proxima-semibold;
font-style: normal;
font-weight: 400;
font-weight: 500;
}
p {
margin: 0 0 10px;
}

index.1622805819.css:12
contests_05819.css:5

Internshala Trainings

Module 2 > Topic 7 > Video 1

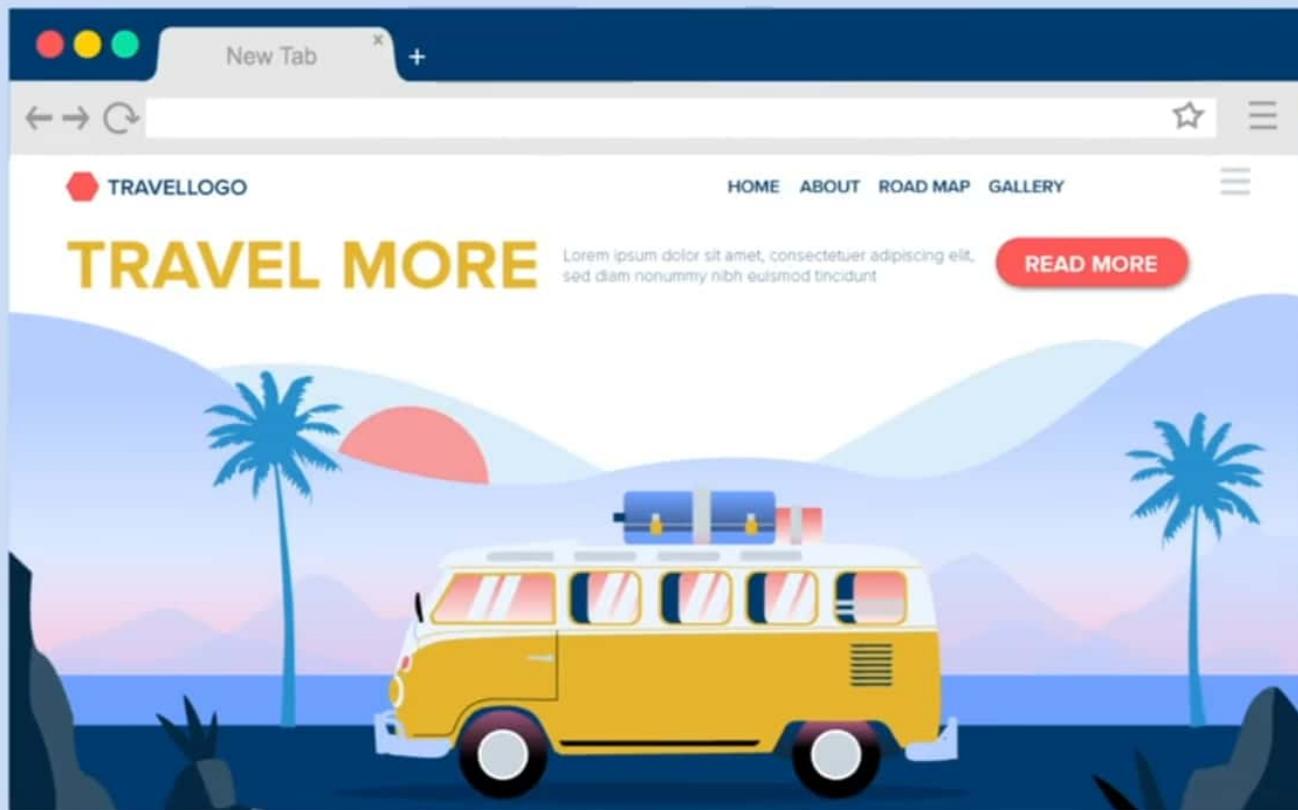
Display



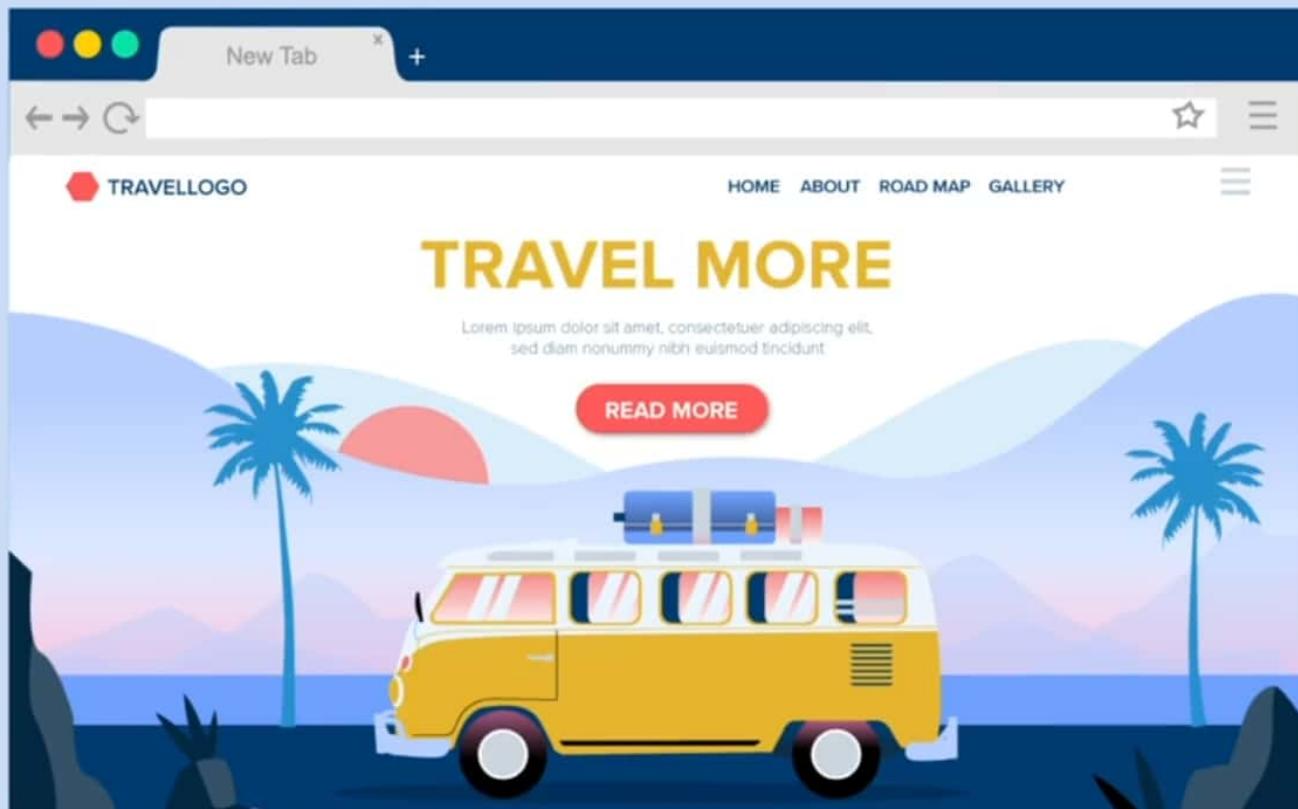
Internshala Trainings

Learning objectives

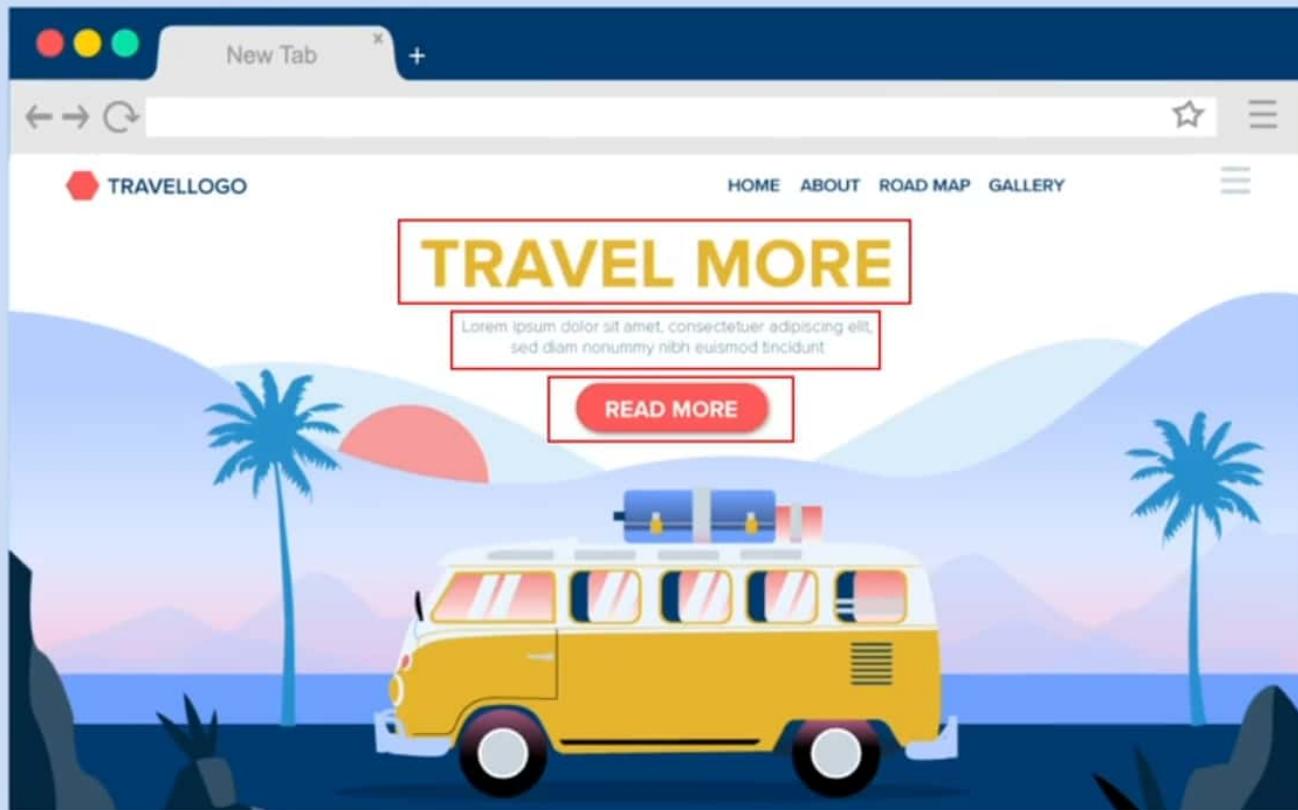
- Apply display CSS property to style a web page.
- Explain inline, block, inline-block, and none display property values.



Internshala Trainings



Internshala Trainings



Internshala Trainings



Display

It is used to specify how an element will align horizontally with respect to other adjacent elements.



Display

- property:value
(block, inline, inline-block, none)



Display

Default value is different for different elements.

- For paragraph elements, the default display property value is block.
- For anchor elements, the default display property value is inline.



sample.html ● # style.css

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2      <head>
3          <title> Box Model </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div>
8              <p>Here are some links:</p>
9              <a href="#">Introduction / Getting started</a>
10             <a href="#">CSS Selectors</a>
11             <a href="#">Length Units and Colors</a>
12             <a href="#">Texts and Fonts</a>
13             <a href="#">Box Model</a>
14         </div>
15     </body>
16 </html>
```

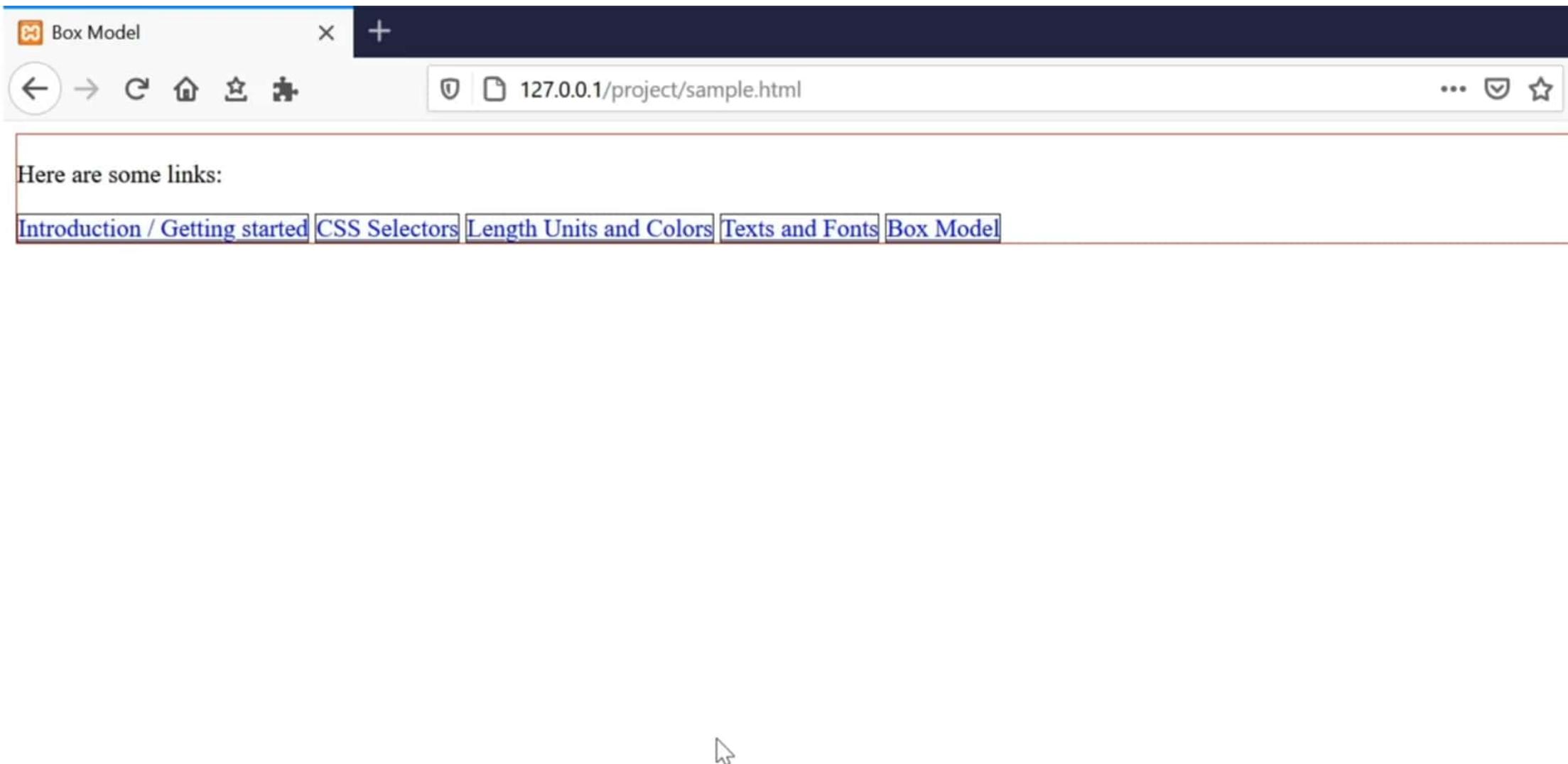


sample.html ● # style.css X

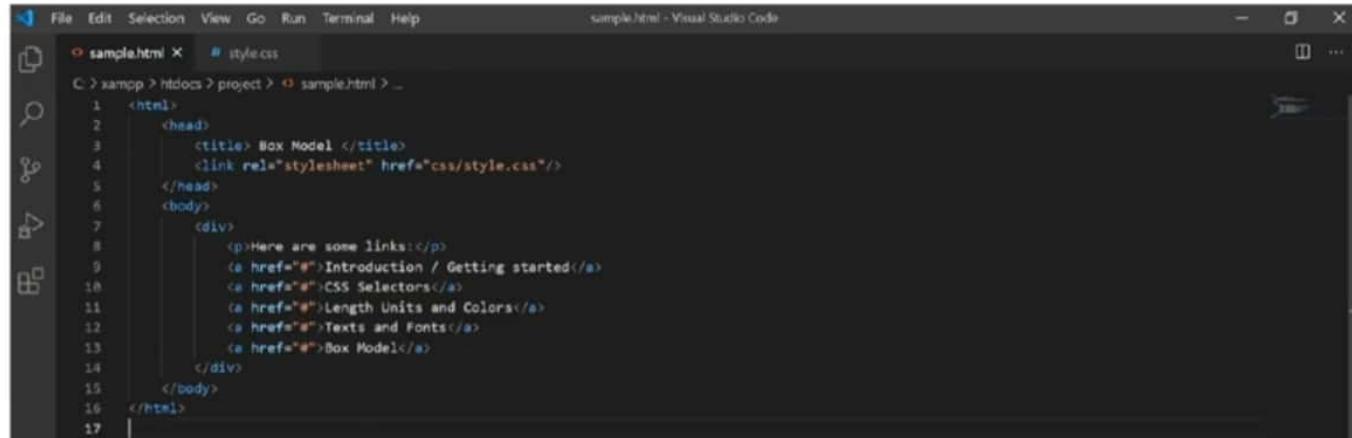
C: > xampp > htdocs > project > css > # style.css > ...

```
1  div {  
2      border: solid 1px red;  
3  }  
4  a {  
5      border: solid 1px black;  
6  }  
7  |
```





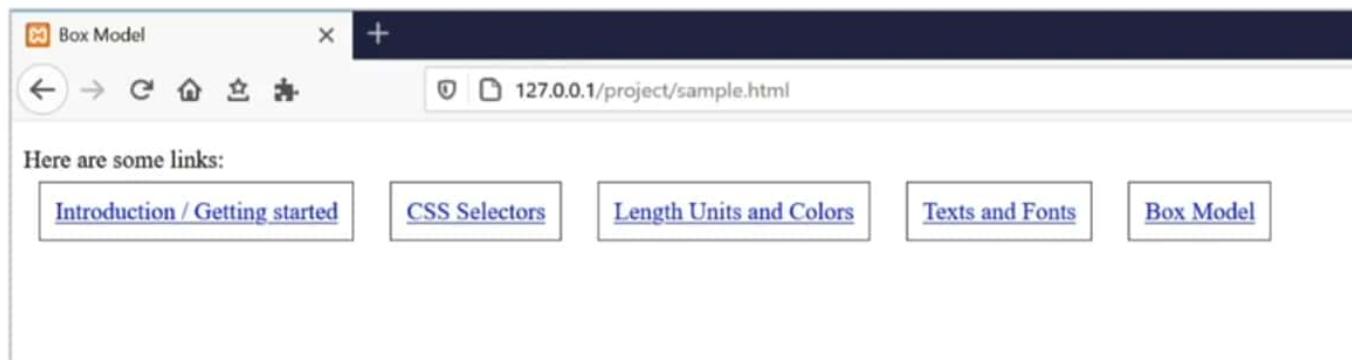
HTML code



A screenshot of Visual Studio Code showing two files: sample.html and style.css. The sample.html file contains the following HTML code:

```
<html>
  <head>
    <title> Box Model </title>
    <link rel="stylesheet" href="css/style.css"/>
  </head>
  <body>
    <div>
      <p>Here are some links:</p>
      <a href="#">Introduction / Getting started</a>
      <a href="#">CSS Selectors</a>
      <a href="#">Length Units and Colors</a>
      <a href="#">Texts and Fonts</a>
      <a href="#">Box Model</a>
    </div>
  </body>
</html>
```

Output



display:inline

- An element starts beside the previous element, provided the previous element allows it to sit next to it and there is enough space.
- Width and height css properties have no effect.

Internshala Trainings

HTML code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The left sidebar shows icons for file operations like Open, Save, Find, and Run. The main pane displays the following HTML code:

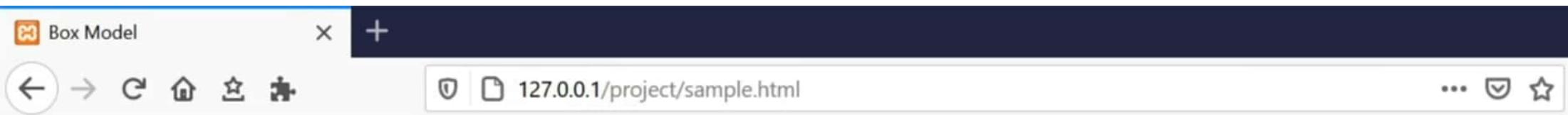
```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Box Model </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <p>Here are some links:</p>
9        <a href="#">Introduction / Getting started</a>
10       <a href="#">CSS Selectors</a>
11       <a href="#">Length Units and Colors</a>
12       <a href="#">Texts and Fonts</a>
13       <a href="#">Box Model</a>
14     </div>
15   </body>
16 </html>
17 |
```

CSS code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The left sidebar shows icons for file operations like Open, Save, Find, and Run. The main pane displays the following CSS code:

```
C: > xampp > htdocs > project > css > style.css > ...
1  a {
2    border: solid 1px black;
3    width: 200px;
4  }
5
```

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Here are some links:

[Introduction / Getting started](#) [CSS Selectors](#) [Length Units and Colors](#) [Texts and Fonts](#) [Box Model](#)



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HTML code

A screenshot of a code editor window titled "sample.html". The file path is shown as "C:\xampp>htdocs>project>sample.html". The code consists of an HTML document structure:

```
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>Here are some links:</p>
9       <a href="#">Introduction / Getting started</a>
10      <a href="#">CSS Selectors</a>
11      <a href="#">Length Units and Colors</a>
12      <a href="#">Texts and Fonts</a>
13      <a href="#">Box Model</a>
14    </div>
15  </body>
16</html>
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is shown as "C:\xampp>htdocs>project>css>style.css". The code defines a style for anchor elements:

```
1 a {
2   border: solid 1px black;
3   width: 200px;
4   margin: 10px;
5   padding: 10px;
6 }
7
```

The CSS rules for width, margin, and padding are highlighted with a red rectangular box.

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display:block

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sample.html # style.css X

```
C: > xampp > htdocs > project > css > # style.css > ...
1  a {
2      border: solid 1px black;
3      display: block;
4      width: 200px;
5  }
6
```

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HTML code



A screenshot of the Visual Studio Code interface. The title bar says "sample.html - Visual Studio Code". The left sidebar shows a file tree with "sample.html" and "style.css". The main editor area contains the following HTML code:

```
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>Here are some links:</p>
9       <a href="#">Introduction / Getting started</a>
10      <a href="#">CSS Selectors</a>
11      <a href="#">Length Units and Colors</a>
12      <a href="#">Texts and Fonts</a>
13      <a href="#">Box Model</a>
14    </div>
15  </body>
16 </html>
```

Output



Here are some links:

Introduction / Getting started
CSS Selectors
Length Units and Colors
Texts and Fonts
Box Model

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HTML code



```
C:\xampp>htdocs>project>sample.html>...  
1 <html>  
2   <head>  
3     <title> Box Model </title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <div>  
8       <p>Here are some links:</p>  
9       <a href="#">Introduction / Getting started</a>  
10      <a href="#">CSS Selectors</a>  
11      <a href="#">Length Units and Colors</a>  
12      <a href="#">Texts and Fonts</a>  
13      <a href="#">Box Model</a>  
14    </div>  
15  </body>  
16 </html>
```

Output



Here are some links:

Introduction / Getting started
CSS Selectors
Length Units and Colors
Texts and Fonts
Box Model

display:block

- An element always starts from a new line even if there is enough space next to the previous element.
- Takes the entire width available.

HTML code

A screenshot of a code editor window titled "File" with tabs for "sample.html" and "# style.css". The "sample.html" tab is active, showing the following HTML code:

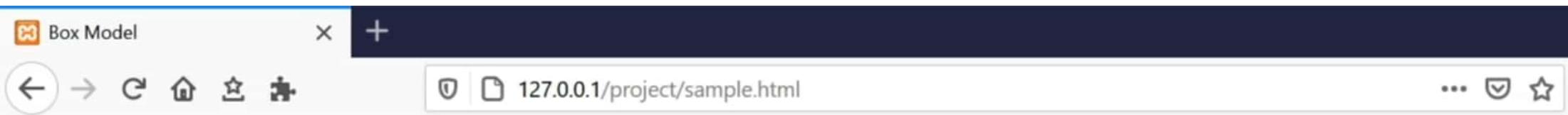
```
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>Here are some links:</p>
9       <a href="#">Introduction / Getting started</a>
10      <a href="#">CSS Selectors</a>
11      <a href="#">Length Units and Colors</a>
12      <a href="#">Texts and Fonts</a>
13      <a href="#">Box Model</a>
14     </div>
15   </body>
16 </html>
```

CSS code

A screenshot of a code editor window titled "File" with tabs for "sample.html" and "# style.css". The "# style.css" tab is active, showing the following CSS code:

```
1 a {
2   border: solid 1px black;
3   display: block;
4   width: 200px;
5 }
6
```

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- ⌚ **display:inline-block**
- Elements acquire properties of inline and block elements.
- The elements sit next to each other and take only required space.

HTML code

A screenshot of a code editor window titled "sample.html". The file path is "C:\xampp\htdocs\project\sample.html". The code displays an HTML structure with a title, a link to a CSS file, and a body containing a div with a list of links. The code is numbered from 1 to 17.

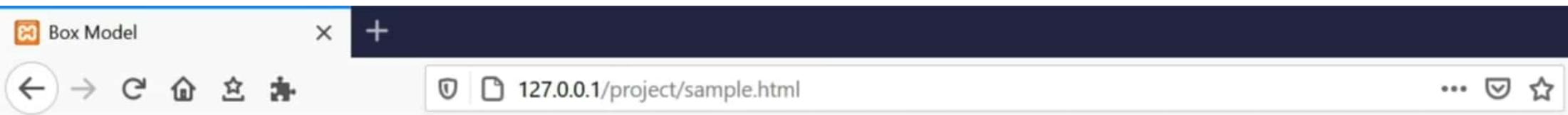
```
1 <html>
2   <head>
3     <title> Box Model </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>Here are some links:</p>
9       <a href="#">Introduction / Getting started</a>
10      <a href="#">CSS Selectors</a>
11      <a href="#">Length Units and Colors</a>
12      <a href="#">Texts and Fonts</a>
13      <a href="#">Box Model</a>
14    </div>
15  </body>
16 </html>
17
```

CSS code

A screenshot of a code editor window titled "style.css". The file path is "C:\xampp\htdocs\project\css\style.css". The code defines a style for anchor tags, setting a border and a display property. The code is numbered from 1 to 5.

```
1 a {
2   border: solid 1px black;
3   display: inline-block;
4 }
5
```

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Here are some links:

[Introduction / Getting started](#) [CSS Selectors](#) [Length Units and Colors](#) [Texts and Fonts](#) [Box Model](#)

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HTML code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The left sidebar shows icons for file operations like Open, Save, Find, and Refresh. The main pane displays two files: "sample.html" and "# style.css". The "sample.html" file contains the following code:

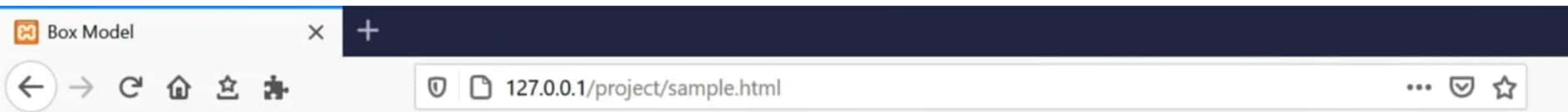
```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Box Model </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <p>Here are some links:</p>
9        <a href="#">Introduction / Getting started</a>
10       <a href="#">CSS Selectors</a>
11       <a href="#">Length Units and Colors</a>
12       <a href="#">Texts and Fonts</a>
13       <a href="#">Box Model</a>
14     </div>
15   </body>
16 </html>
17
```

CSS code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The left sidebar shows icons for file operations like Open, Save, Find, and Refresh. The main pane displays two files: "sample.html" and "# style.css". The "# style.css" file contains the following code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1  a {
2    border: solid 1px black;
3    display: inline-block;
4    width: 200px;
5  }
6
```

Internshala Trainings



Internshala Trainings

- **display:none**
- Used to hide the HTML elements from the users.

HTML code

A screenshot of a code editor window titled "sample.html - Modu". The file path is shown as "C: > xampp > htdocs > sample.html > ...". The code editor displays the following HTML code:

```
1 <html>
2   <head>
3     <title>Box Model</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <p>Here are some links:</p>
9       <a href="#">Introduction / Getting started</a>
10      <a href="#">CSS Selectors</a>
11      <a href="#">Length Units and Colors</a>
12      <a href="#">Texts and Fonts</a>
13      <a href="#">Box Model</a>
14     </div>
15   </body>
16 </html>
```

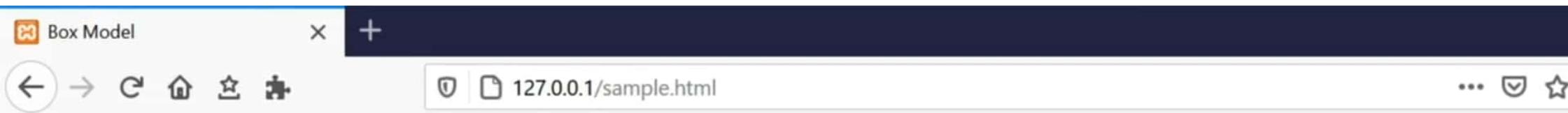
CSS code

A screenshot of a code editor window titled "sample.html" with a status bar "# style.css". The file path is shown as "C: > xampp > htdocs > css > # style.css > ...". The code editor displays the following CSS code:

```
1 a {
2   border: solid 1px black;
3   display: none;
4   width: 200px;
5 }
```

The line "display: none;" is highlighted with a red rectangle.

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	Block	Inline	Inline-block
Previous element	Always starts from a new line.	Starts next to the previous element.	Starts next to the previous element.
Next element	It doesn't allow the next element to sit beside it.	It allows the next element to sit beside it.	It allows the next element to sit beside it.
Default width	By default, it takes up the entire width available.	It always takes only as much space as required.	By default, it takes only as much space as required.
Explicit height/width	We can set height and width.	We cannot set height and width. But we can set paddings and margins.	We can set height and width.

Module 2 > Topic 8 > Video 1

Position



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Learning objectives

- Explain position CSS property.
- Explain static, relative, fixed, and absolute position property values.
- Apply z-index property to style a web page.

CSS properties

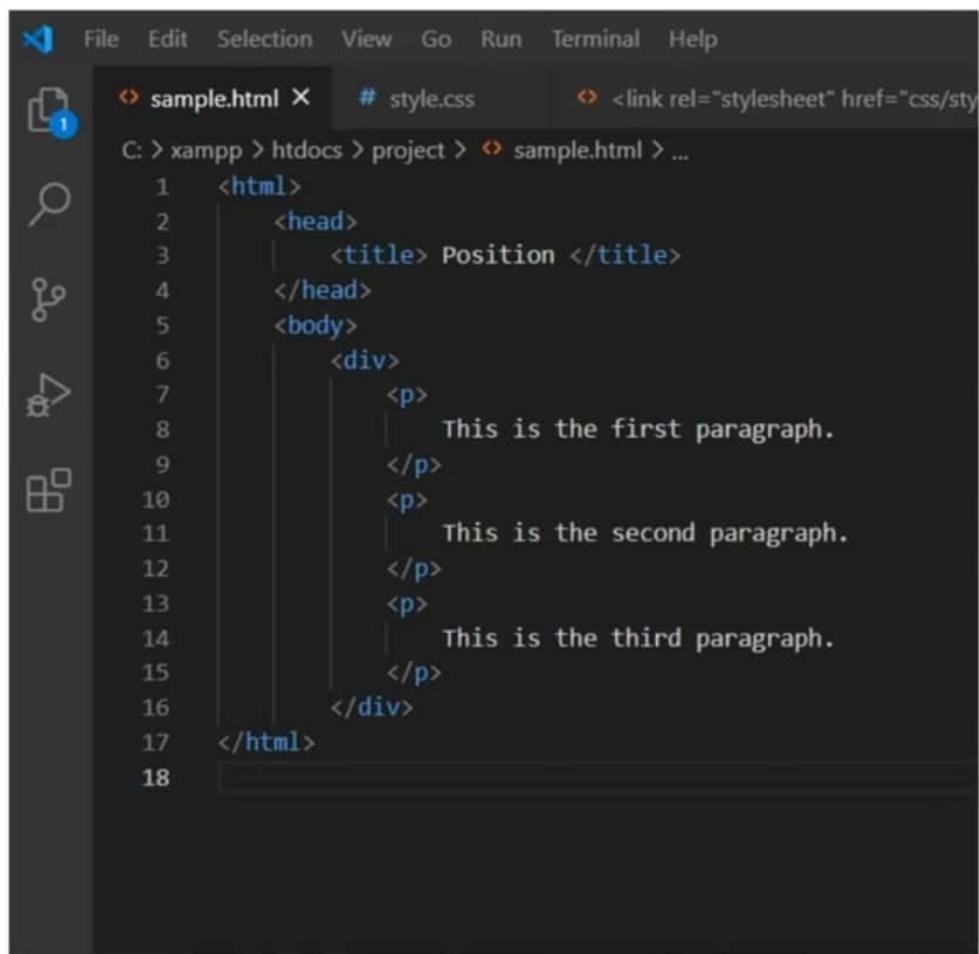
- color
- background-color
- font-family
- font-size
- Position
- z-index



Position

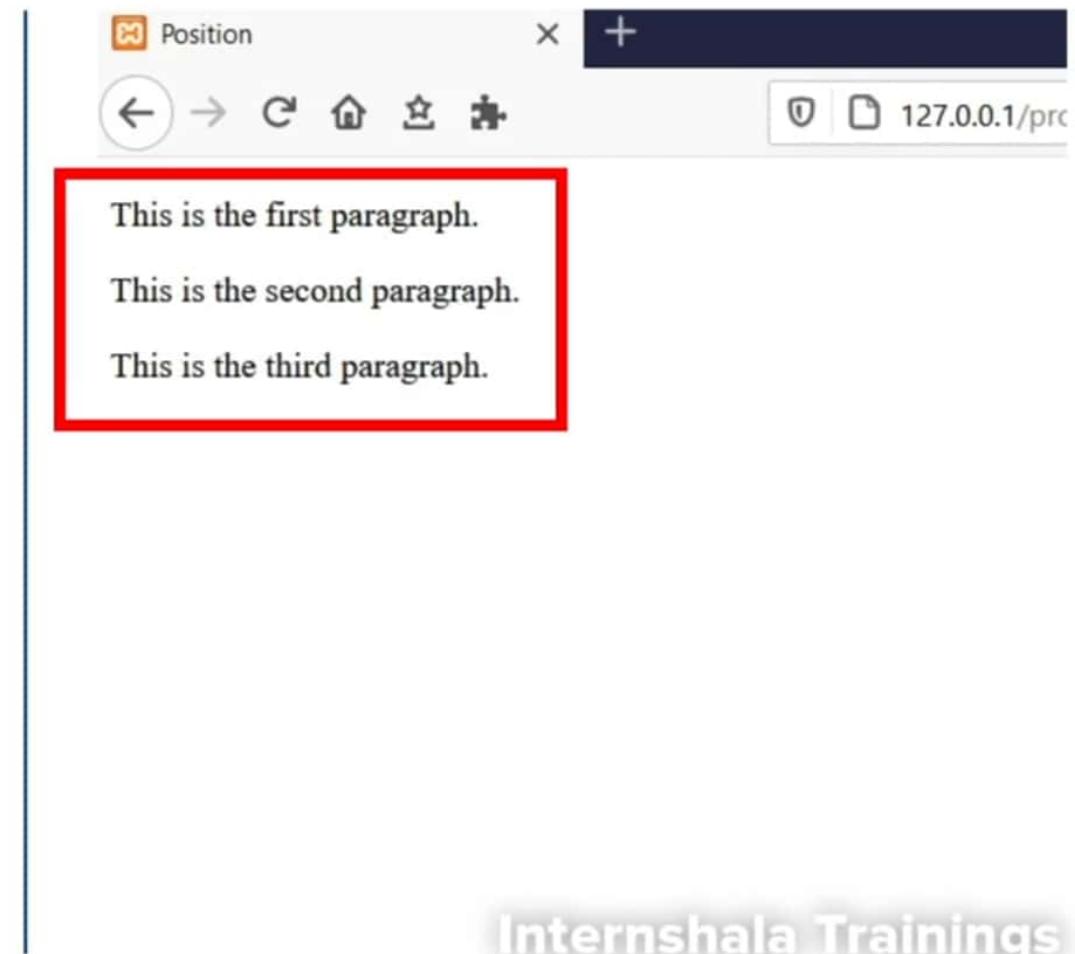
It helps us to move HTML elements from their existing positions.

HTML code



```
File Edit Selection View Go Run Terminal Help
sample.html X # style.css <link rel="stylesheet" href="css/sty
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Position </title>
4    </head>
5    <body>
6      <div>
7        <p>
8          This is the first paragraph.
9        </p>
10       <p>
11         This is the second paragraph.
12       </p>
13       <p>
14         This is the third paragraph.
15       </p>
16     </div>
17   </html>
18
```

Output



This is the first paragraph.

This is the second paragraph.

This is the third paragraph.

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Position

It helps us to move HTML elements from their existing positions.

- It has 4 values: static, relative, fixed, and absolute.

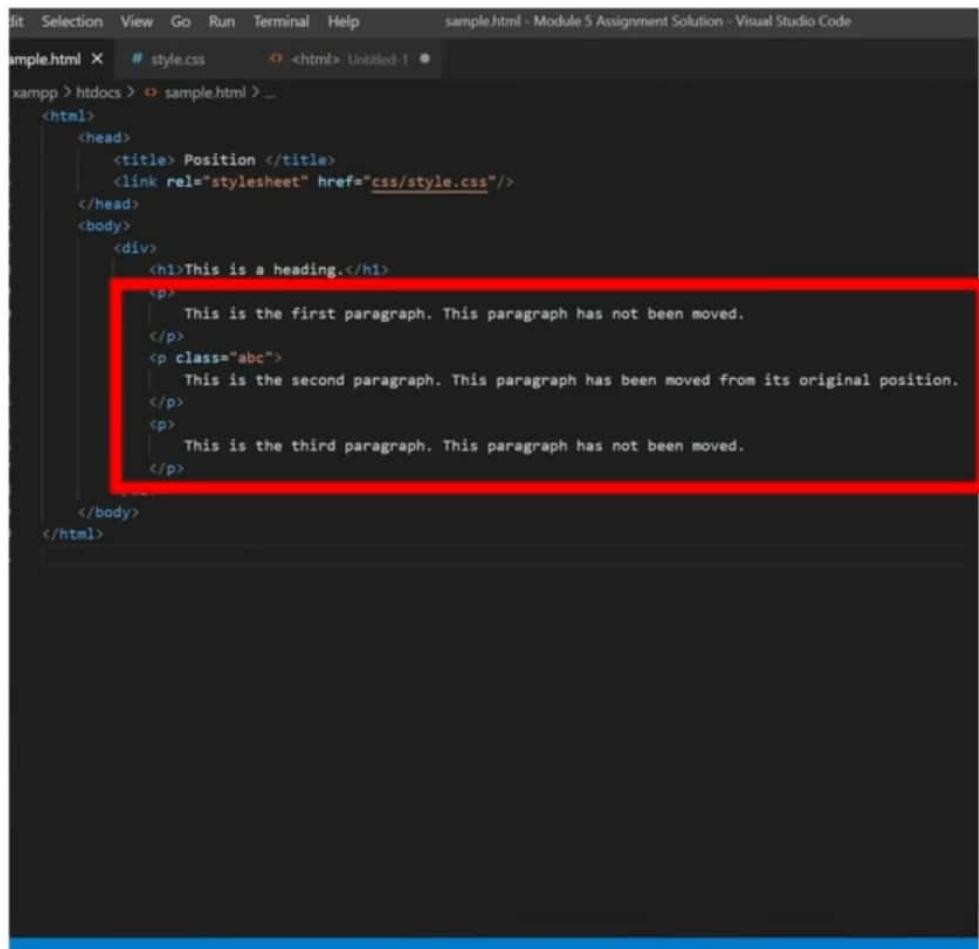
- **position:static**
- Default value is different for different elements.
- Elements cannot be moved from their position.



position:relative

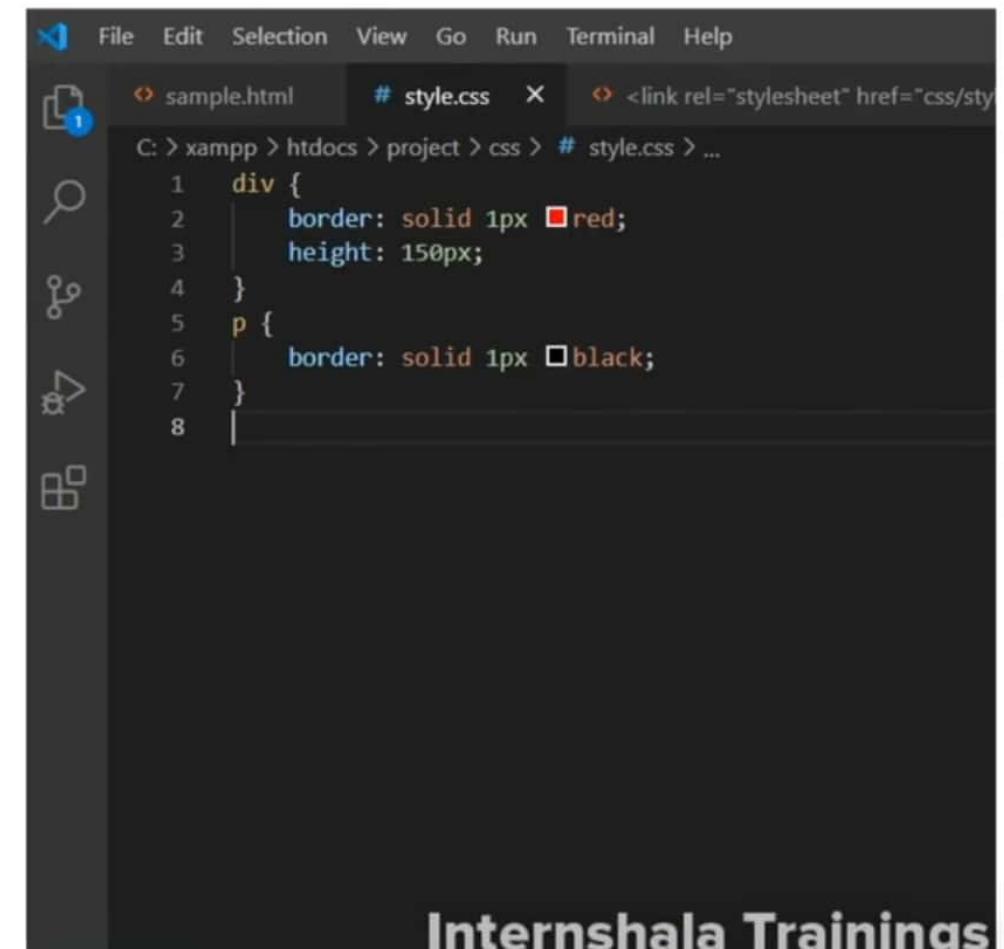
- It helps move an HTML element with respect to its original position.

HTML code



```
<!DOCTYPE html>
<html>
  <head>
    <title> Position </title>
    <link rel="stylesheet" href="css/style.css"/>
  </head>
  <body>
    <div>
      <h1>This is a heading.</h1>
      <p> This is the first paragraph. This paragraph has not been moved.</p>
      <p class="abc"> This is the second paragraph. This paragraph has been moved from its original position.</p>
      <p> This is the third paragraph. This paragraph has not been moved.</p>
    </div>
  </body>
</html>
```

CSS code



```
div {
  border: solid 1px red;
  height: 150px;
}

p {
  border: solid 1px black;
```

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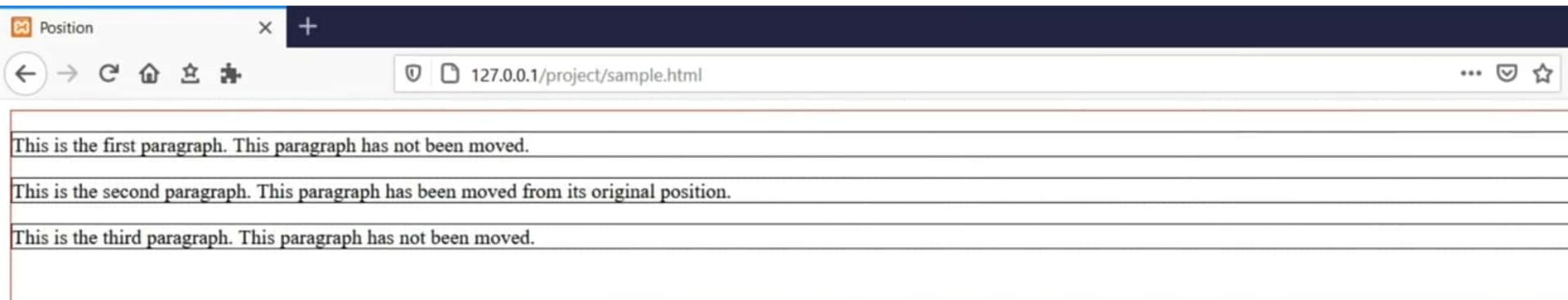
HTML code

```
<!DOCTYPE html>
<html>
  <head>
    <title> Position </title>
    <link rel="stylesheet" href="css/style.css"/>
  </head>
  <body>
    <div>
      <h1>This is a heading.</h1>
      <p>
        This is the first paragraph. This paragraph has not been moved.
      </p>
      <p class="abc">
        This is the second paragraph. This paragraph has been moved from its original position.
      </p>
      <p>
        This is the third paragraph. This paragraph has not been moved.
      </p>
    </div>
  </body>
</html>
```

CSS code

```
div {
  border: solid 1px red;
  height: 150px;
}
p {
  border: solid 1px black;
```

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HTML code

```
File Edit Selection View Go Run Terminal Help sample.html - Module 5 Assignment Solution - Visual Studio Code
sample.html # style.css <html> Untitled-1
C:\xampp\htdocs\sample.html ...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11
12      <p class="abc">
13        This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17  </p>
18 </div>
19 </body>
20 </html>
```

CSS code

```
File Edit Selection View Go Run Terminal Help
sample.html # style.css <link rel="stylesheet" href="css/style.css" Untitled-1
C:\xampp\htdocs\project\css\style.css ...
1
```

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HTML code

File Edit Selection View Go Run Terminal Help

sample.html - Module 5 Assignment Solution - Visual Studio Code

C:\xampp\htdocs > sample.html > style.css > <html> Untitled-1

```
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10         This is the first paragraph. This paragraph has not been moved.
11       </p>
12       <p class="abc">
13         This is the second paragraph. This paragraph has been moved from its original position.
14       </p>
15       <p>
16         This is the third paragraph. This paragraph has not been moved.
17     </div>
18   </body>
19 </html>
```

CSS code

File Edit Selection View Go Run Terminal Help

sample.html # style.css <link rel="stylesheet" href="css/style.css" Untitled-1

C:\xampp\htdocs\project>css>#style.css > abc

```
1 abc {  
2   position: relative;  
3 }
```

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position property

1. top
2. right
3. bottom
4. left

HTML code

File Edit Selection View Go Run Terminal Help sample.html - Module 5 Assignment Solution - Visual Studio Code

C:\xampp>htdocs > sample.html > ...

```
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10         This is the first paragraph. This paragraph has not been moved.
11       </p>
12       <p class="abc">
13         This is the second paragraph. This paragraph has been moved from its original position.
14       </p>
15       <p>
16         This is the third paragraph. This paragraph has not been moved.
17     </div>
18   </body>
19 </html>
```

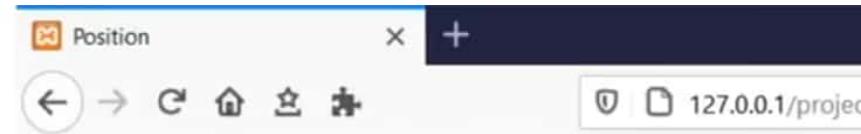
CSS code

File Edit Selection View Go Run Terminal Help

C:\xampp>htdocs > project > css > # style.css > abc.abc

```
1 .abc {
2   position: relative;
3 }
```

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CSS code

A screenshot of Visual Studio Code showing a file named 'style.css'. The code contains the following CSS rules:

```
.abc {  
    position: relative;  
    top: 50px;  
    left: 10px;  
}
```

The line 'top: 50px;' is highlighted with a red box. The status bar at the bottom of the code editor shows the path 'C:\xampp\htdocs\project\css'.

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This is the first paragraph. This paragraph has not been moved.

This is the third paragraph. This paragraph has not been moved.

This is the second paragraph. This paragraph has been moved from its original position.



HTML code

File Edit Selection View Go Run Terminal Help sample.html - Module 5 Assignment Solution - Visual Studio Code

sample.html # style.css <html> untitled-1 ●

C:\xampp\htdocs\sample.html

```
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10         This is the first paragraph. This paragraph has not been moved.
11       </p>
12       <p class="abc">
13         This is the second paragraph. This paragraph has been moved from its original position.
14       </p>
15       <p>
16         This is the third paragraph. This paragraph has not been moved.
17     </div>
18   </body>
19 </html>
```

CSS code

File Edit Selection View Go Run Terminal Help

sample.html # style.css <link rel="stylesheet" href="css/style.css" /> .abc

C:\xampp\htdocs\project>css>#style.css > .abc

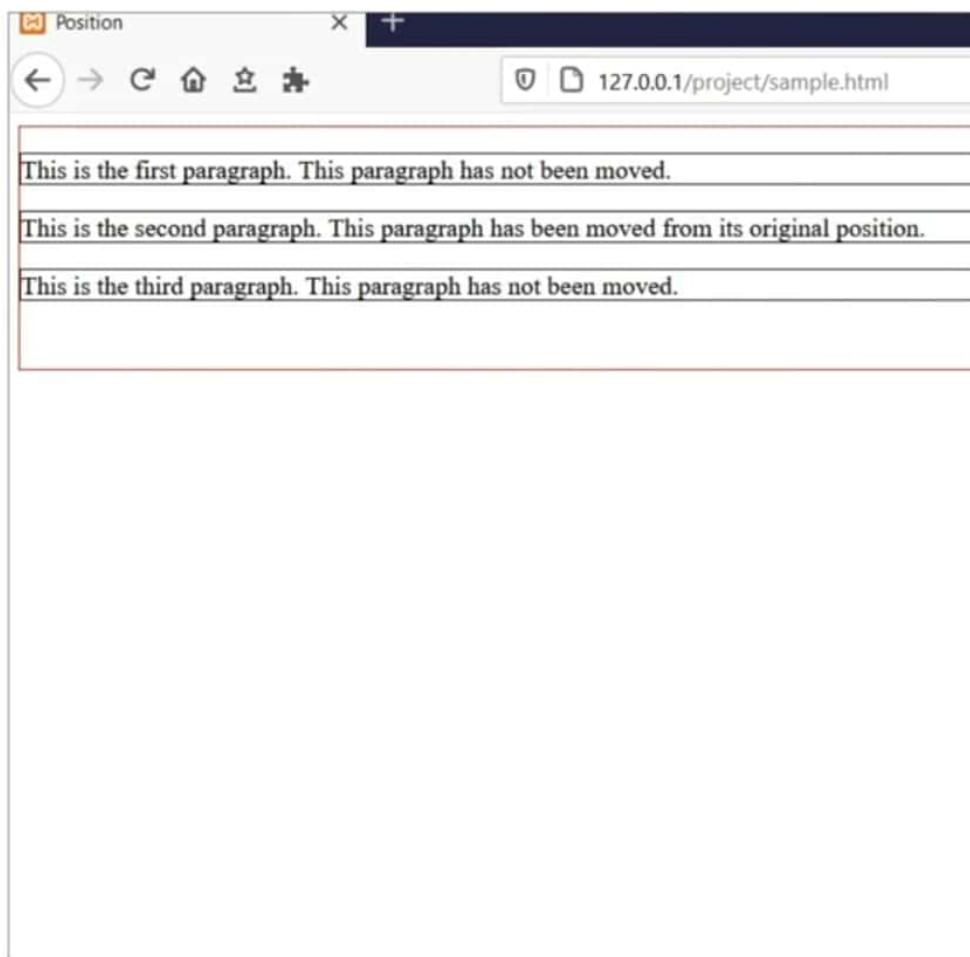
```
1 .abc [position: relative; top: 50px; left: 10px;]
2
3
4
5 ]
```

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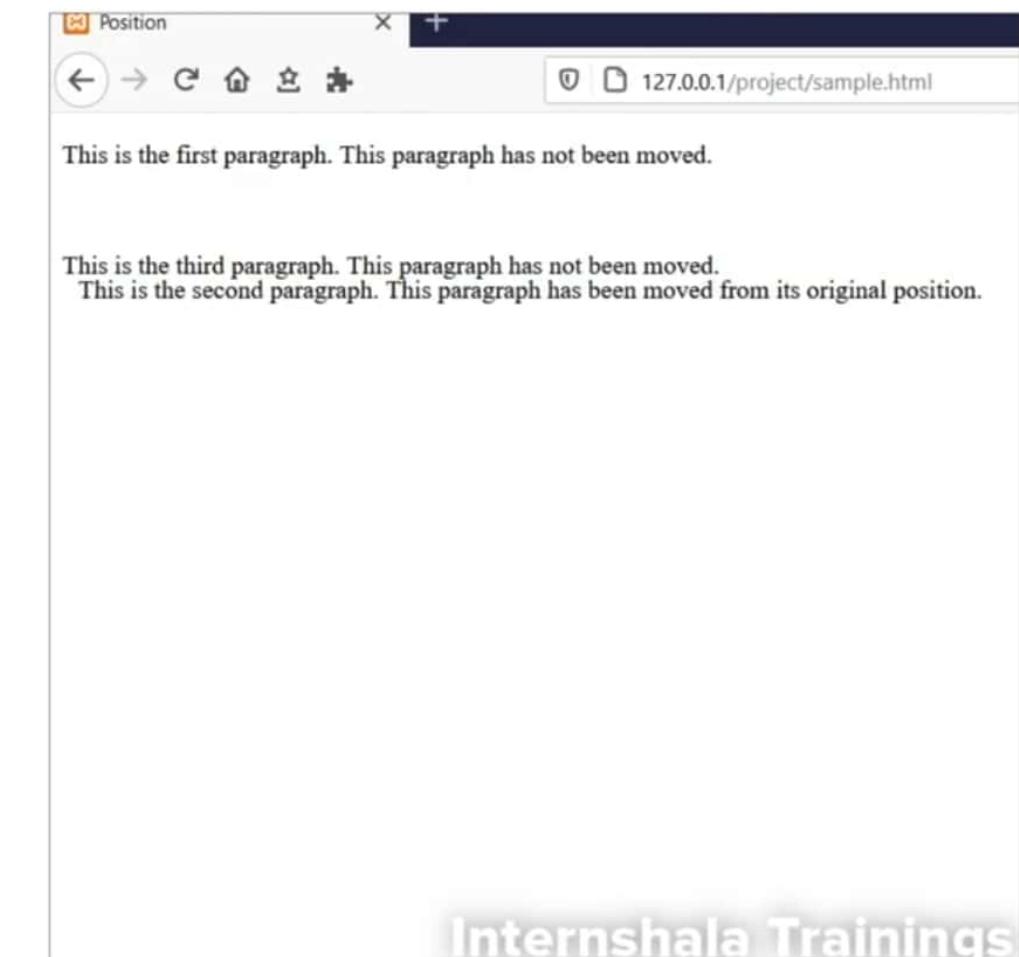


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position:static



position:relative



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Exercise

Download the HTML code and change the position value to relative. Assign the properties: top, left, right, and bottom using any length values and observe the output.



position:fixed

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HTML code

A screenshot of the Visual Studio Code interface showing the HTML code for a file named 'sample.html'. The code includes a title, a link to an external CSS file, and three paragraphs. The third paragraph is styled with a class 'abc' defined in an external CSS file.

```
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
21
```

CSS code

A screenshot of the Visual Studio Code interface showing the CSS code for a file named 'style.css'. It contains a single rule for a class '.abc' that sets the element's position to relative, top to 10px, and left to 50px.

```
1 .abc {
2   position: relative;
3   top: 10px;
4   left: 50px;
5 }
```

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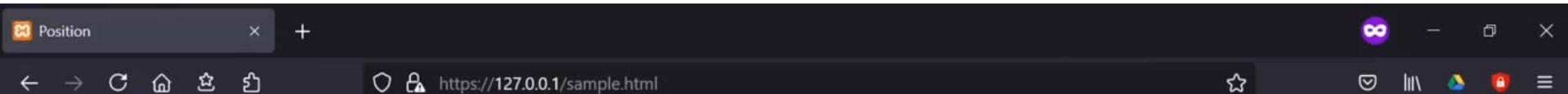
HTML code

```
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
```

CSS code

```
1 .abc {
2   position: fixed;
3   bottom: 20px;
4   left: 10px;
5 }
```

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This is the second paragraph. This paragraph has been moved from its original position.

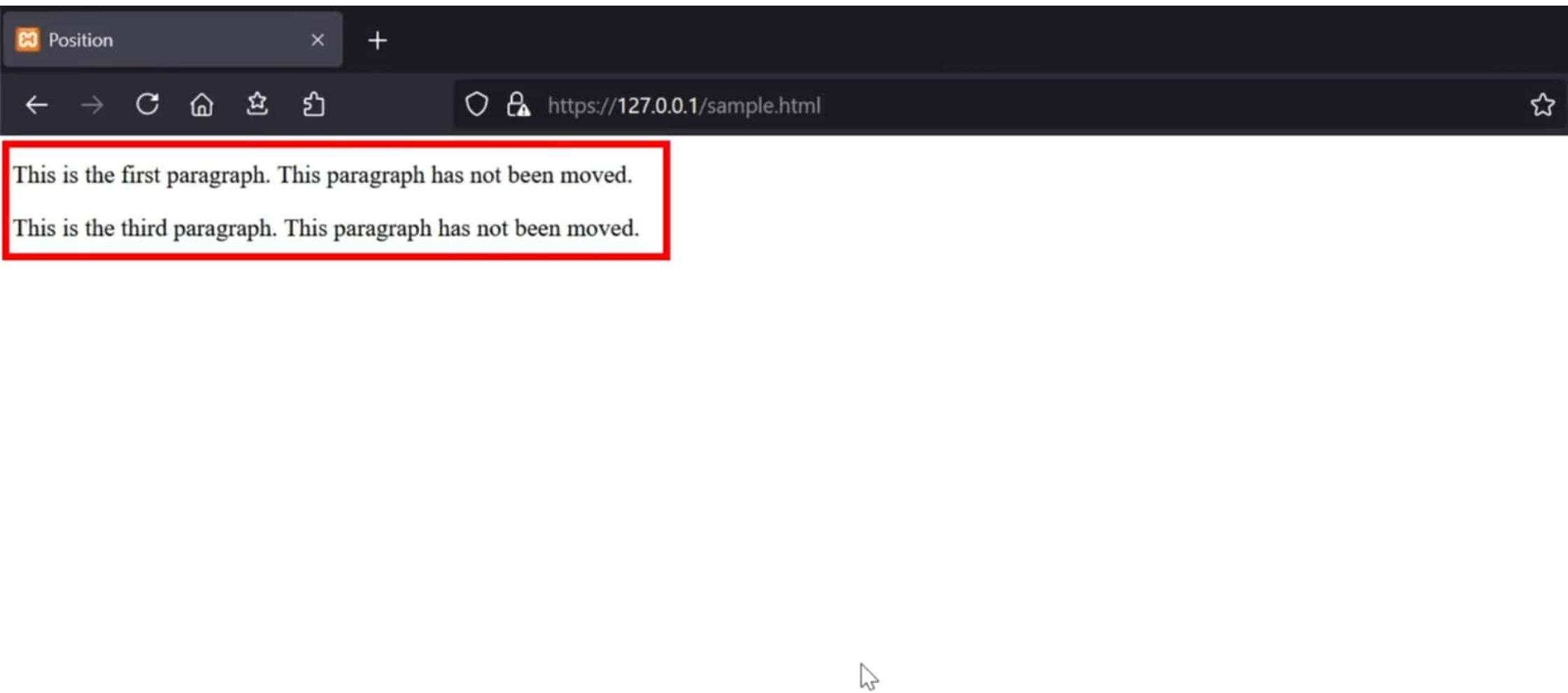
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This is the third paragraph. This paragraph has not been moved.

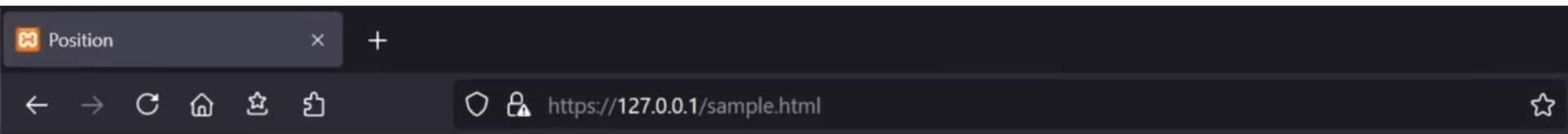


This is the second paragraph. This paragraph has been moved from its original position.

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This is the first paragraph. This paragraph has not been moved.

This is the third paragraph. This paragraph has not been moved.

● **position:fixed**

- It moves the element with respect to the browser window.
- The position of the element remains fixed even if we scroll the web page.
- The next element present after the positioned element takes the place of the positioned element leaving no gap.



position:absolute

It moves the element with respect to the nearest positioned ancestor element.

Nearest positioned ancestor element

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Nearest positioned ancestor element

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Nearest positioned ancestor element

Ancestor means any element that is present up in the HTML hierarchy.

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "sample.html - Module 5 Assignment Solution - Visual Studio Code". On the left, there's a vertical toolbar with icons for file operations like Open, Save, Find, and Refresh. The main editor area has two tabs: "sample.html X" and "# style.css". Below the tabs is a status bar showing the path: "C: >xampp >htdocs > sample.html > ...". The code editor contains the following HTML and CSS:

```
C: >xampp >htdocs > sample.html > ...
1  <html>
2    <head>
3      <title> Position </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <h1>This is a heading.</h1>
9        <p>
10       | This is the first paragraph. This paragraph has not been moved.
11     </p>
12     <p class="abc">
13       | This is the second paragraph. This paragraph has been moved from its original position.
14     </p>
15     <p>
16       | This is the third paragraph. This paragraph has not been moved.
17     </p>
18   </div>
19   </body>
20 </html>
21
```

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Nearest **positioned** ancestor element



It means any element which has the position value other than the static.

Nearest position ancestor element

It means the nearest ancestor that has a non-static position value.

HTML code

```
C:\xampp>htdocs> sample.html>...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
```

CSS code

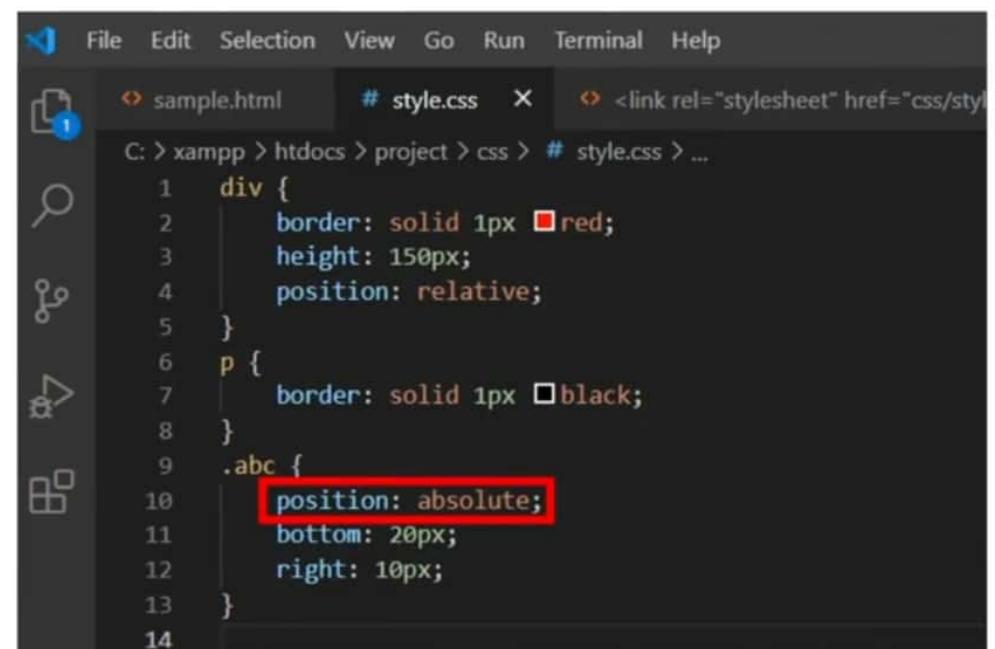
```
File Edit Selection View Go Run Terminal Help
sample.html # style.css X <link rel="stylesheet" href="css/styl...
C:\xampp>htdocs>project>css># style.css>...
1 div {
2   border: solid 1px red;
3   height: 150px;
4   position: relative;
5 }
6 p {
7   border: solid 1px black;
8 }
9 .abc {
10   position: absolute;
11   bottom: 20px;
12   right: 10px;
13 }
14
```

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HTML code

```
C:\xampp>htdocs> sample.html>...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
```

CSS code



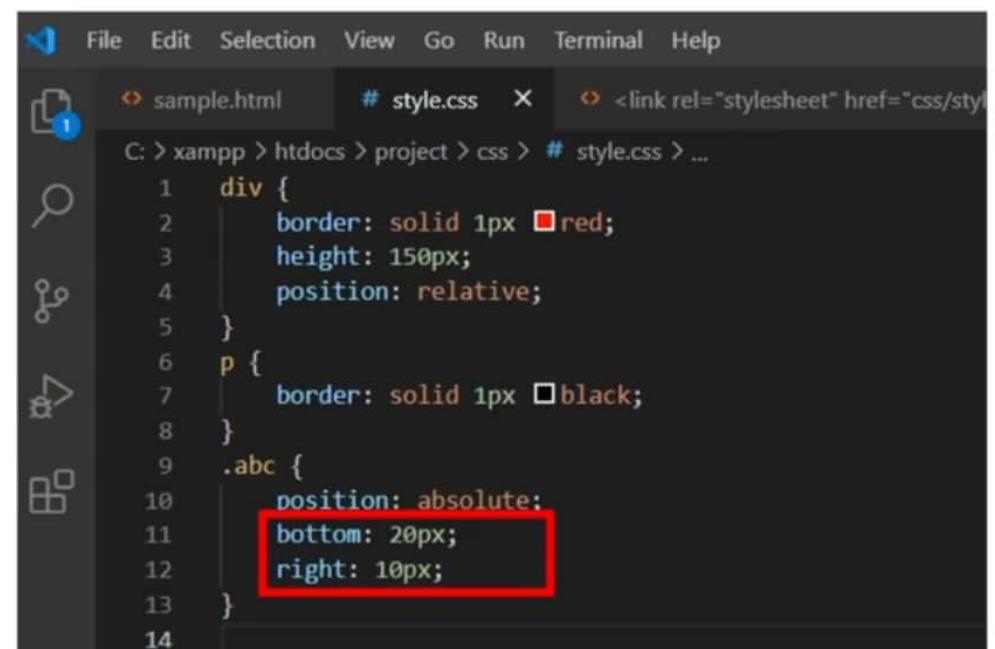
```
C:\xampp>htdocs> project>css># style.css>...
1 div {
2   border: solid 1px red;
3   height: 150px;
4   position: relative;
5 }
6 p {
7   border: solid 1px black;
8 }
9 .abc {
10  position: absolute;
11  bottom: 20px;
12  right: 10px;
13 }
14
```

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HTML code

```
C:\xampp>htdocs> sample.html> ...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      | This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      | This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      | This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
```

CSS code



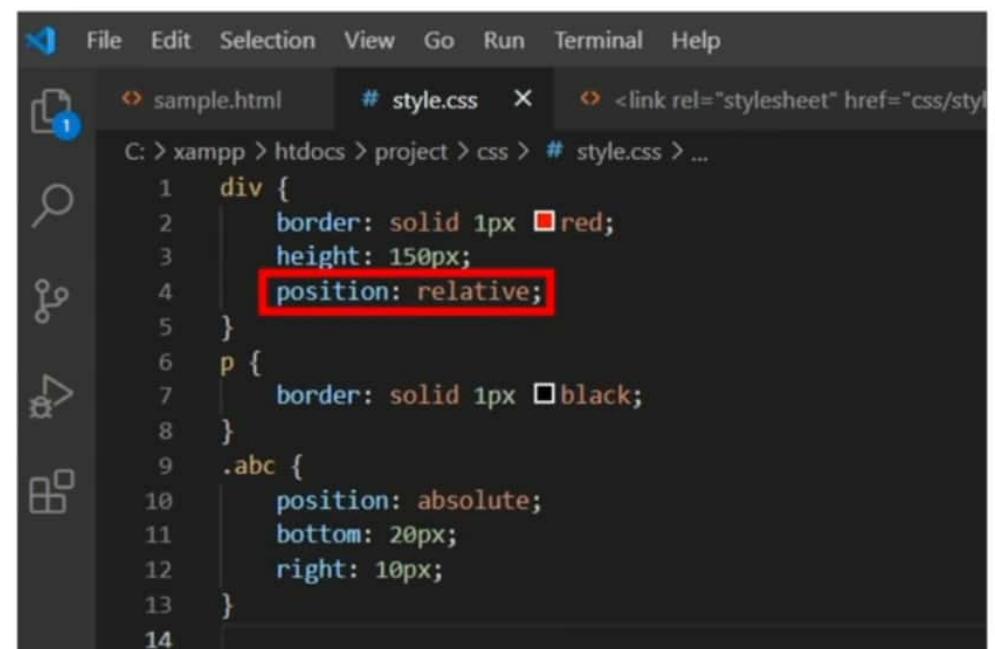
```
C:\xampp>htdocs>project>css># style.css> ...
1  div {
2    border: solid 1px red;
3    height: 150px;
4    position: relative;
5  }
6  p {
7    border: solid 1px black;
8  }
9  .abc {
10   position: absolute;
11   bottom: 20px;
12   right: 10px;
13 }
14
```

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HTML code

```
C:\xampp>htdocs> sample.html > ...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      | This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      | This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      | This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
```

CSS code



```
File Edit Selection View Go Run Terminal Help
sample.html # style.css X <link rel="stylesheet" href="css/style.css" ...
C:\xampp>htdocs>project>css># style.css > ...
1 div {
2   border: solid 1px red;
3   height: 150px;
4   position: relative;
5 }
6 p {
7   border: solid 1px black;
8 }
9 .abc {
10   position: absolute;
11   bottom: 20px;
12   right: 10px;
13 }
14
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs> sample.html> ...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17
18  </div>
19 </body>
20 </html>
```

CSS code

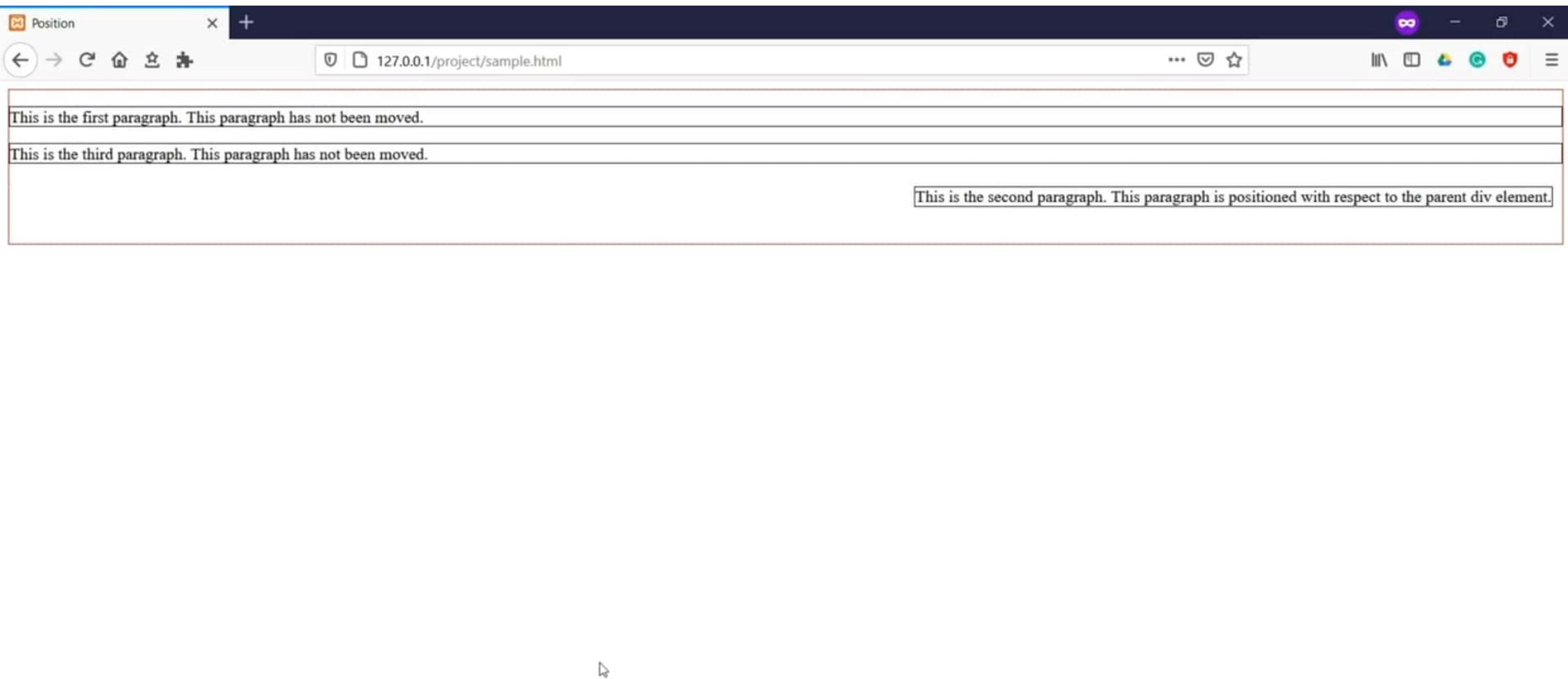
```
File Edit Selection View Go Run Terminal Help
sample.html # style.css X <link rel="stylesheet" href="css/styl...
C:\xampp>htdocs>project>css># style.css> ...
1 div {
2   border: solid 1px red;
3   height: 150px;
4   position: relative;
5 }
6 p {
7   border: solid 1px black;
8 }
9 .abc {
10   position: absolute;
11   bottom: 20px;
12   right: 10px;
13 }
14
```

HTML code

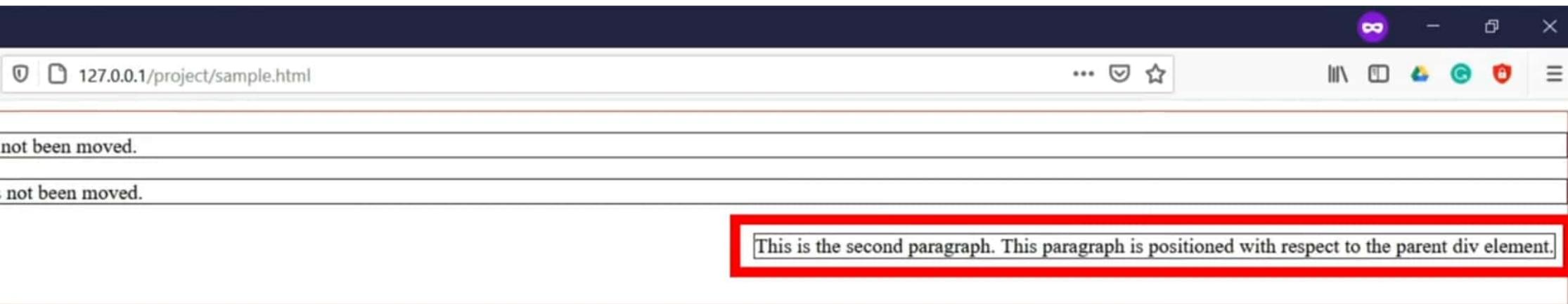
```
C:\xampp\htdocs\sample.html> ...
1 <html>
2   <head>
3     <title> Position </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading.</h1>
9       <p>
10      This is the first paragraph. This paragraph has not been moved.
11    </p>
12    <p class="abc">
13      This is the second paragraph. This paragraph has been moved from its original position.
14    </p>
15    <p>
16      This is the third paragraph. This paragraph has not been moved.
17    </p>
18  </div>
19 </body>
20 </html>
```

CSS code

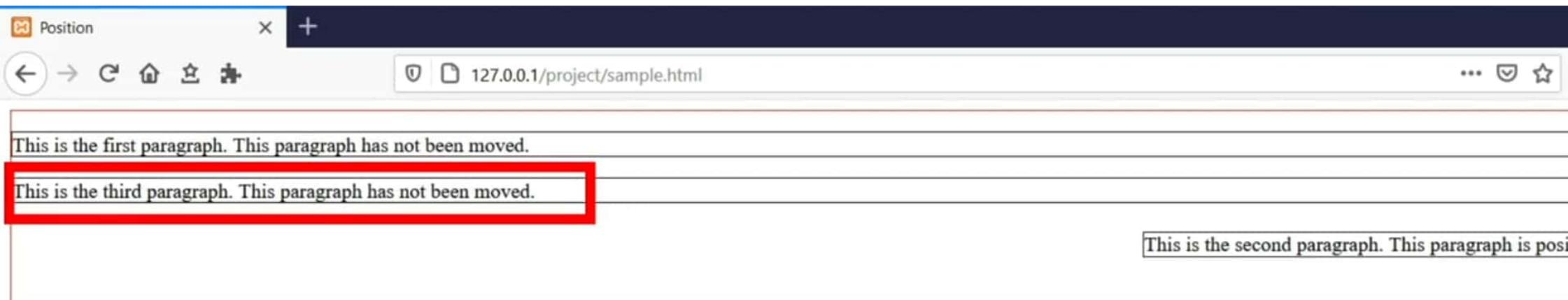
```
C:\xampp\htdocs\project\css\style.css> ...
1 div {
2   border: solid 1px red;
3   height: 150px;
4   position: relative;
5 }
6 p {
7   border: solid 1px black;
8 }
9 .abc {
10   position: absolute;
11   bottom: 20px;
12   right: 10px;
13 }
14
```



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Summary

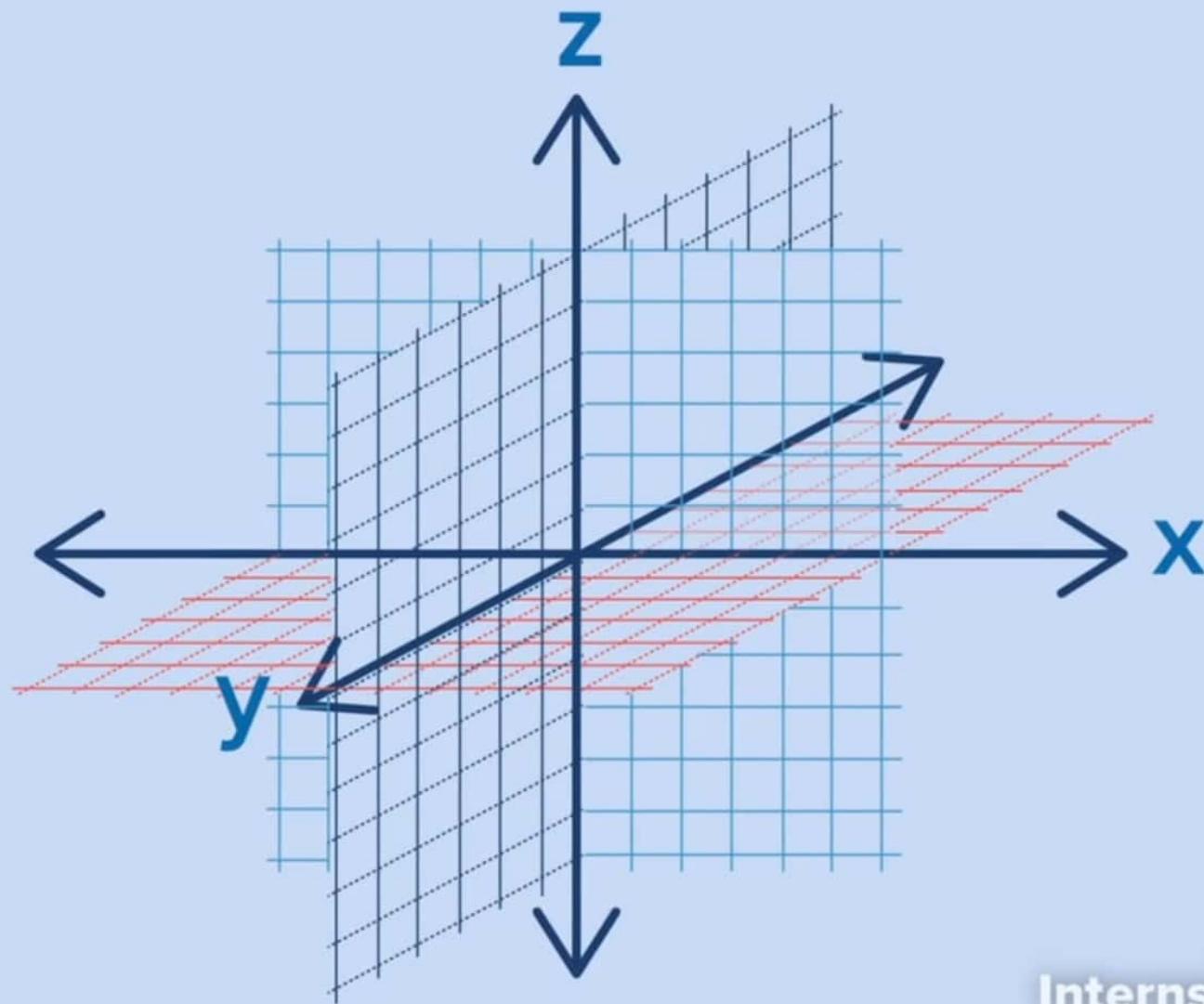
	Movement with respect to	Flow gap
Relative	Original position	No other element tries to fit and leaves a gap
Fixed	Browser window	Next element takes its original place and leaves no gap
Absolute	Nearest positioned ancestor	Next element takes its original place and leaves no gap

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z-index

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z-index

- It is used to position an element along the z axis.
- It is used mainly when there are overlapping elements and we want to explicitly put one element over the other.
- Higher the z-index value of an element, the more close it is to us.
- It works only on positioned elements.

HTML code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main area displays the following HTML code:

```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Z-index </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <h1>This is a heading</h1>
9        <p>
10          This is a paragraph.
11        </p>
12      </div>
13    </body>
14  </html>
```

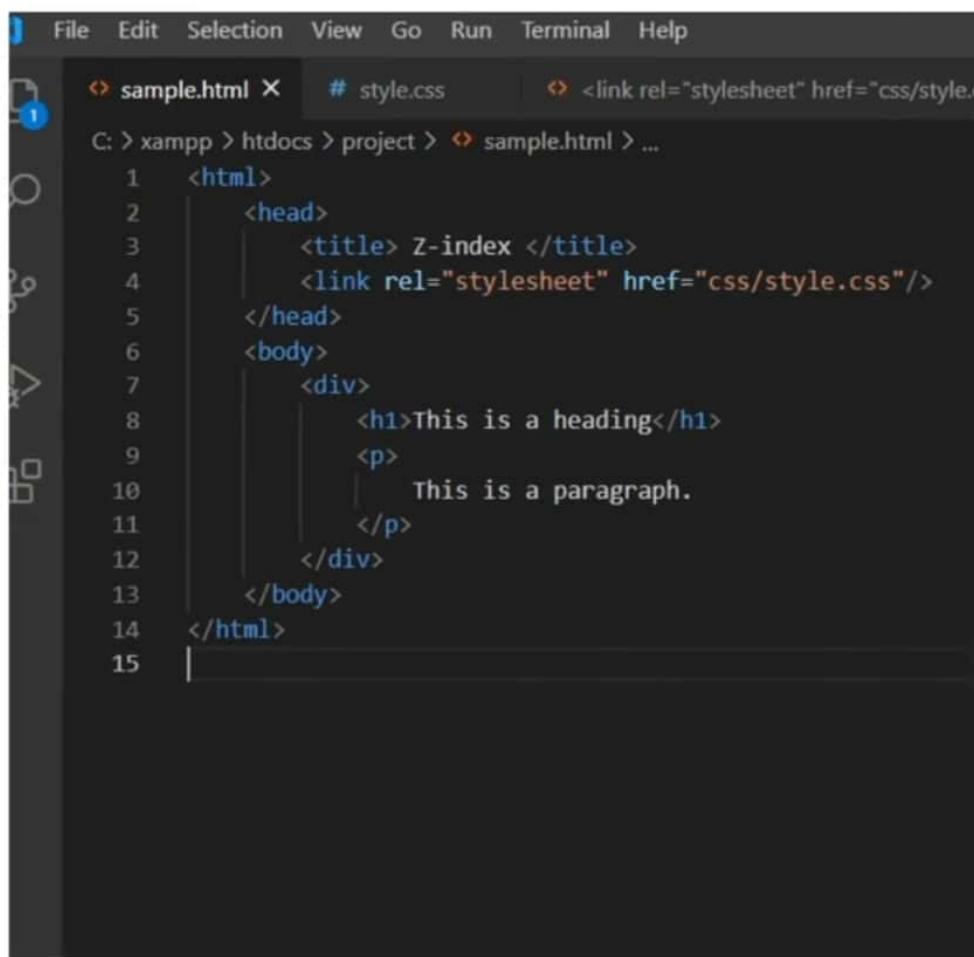
CSS code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main area displays the following CSS code:

```
C: > xampp > htdocs > project > css > style.css > ...
1  div {
2    border: solid 1px red;
3    height: 150px;
4  }
5  h1 {
6    position: relative;
7    z-index: 1;
8  }
9  p {
10   background-color: skyblue;
11   position: relative;
12   top: -25px;
13   z-index: 2;
14 }
```

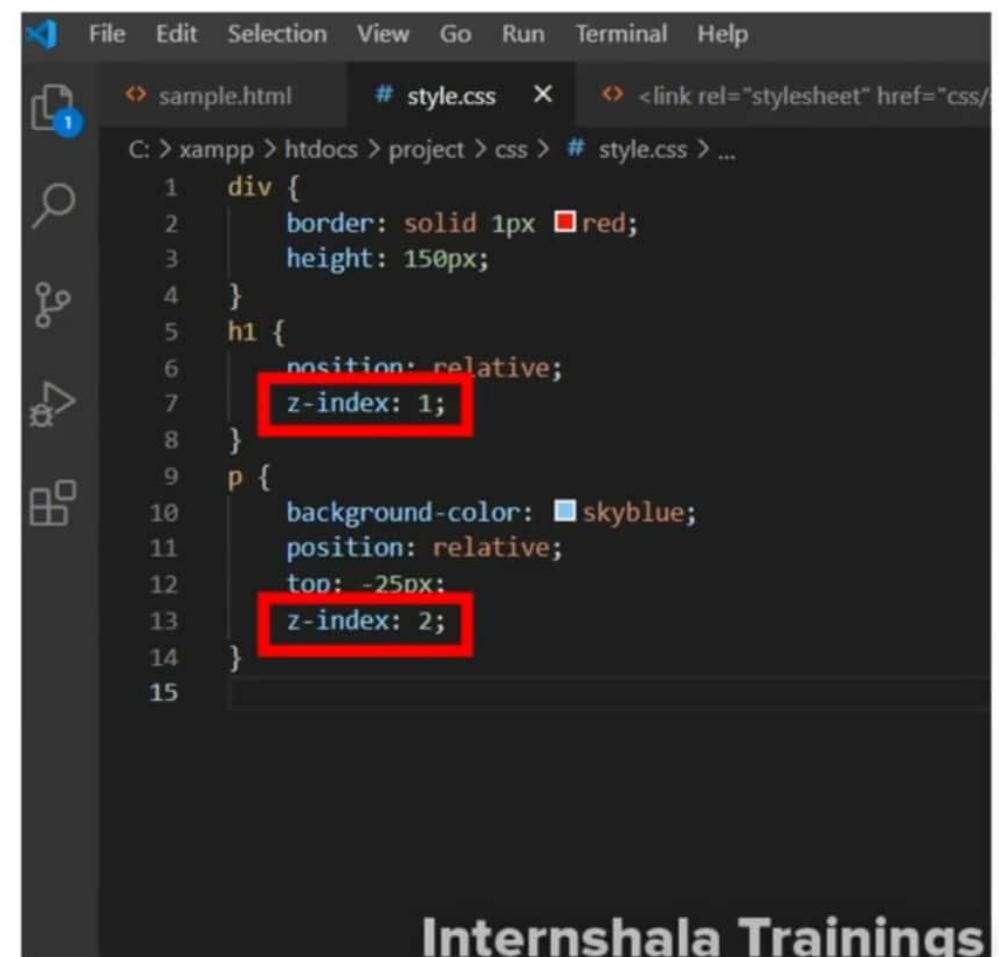
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HTML code



```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Z-index </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <h1>This is a heading</h1>
9        <p>
10          This is a paragraph.
11        </p>
12      </div>
13    </body>
14  </html>
```

CSS code



```
C: > xampp > htdocs > project > css > style.css > ...
1  div {
2    border: solid 1px red;
3    height: 150px;
4  }
5  h1 {
6    position: relative;
7    z-index: 1;
8  }
9  p {
10   background-color: skyblue;
11   position: relative;
12   top: -25px;
13   z-index: 2;
14 }
```

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HTML code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main area displays the following HTML code:

```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Z-index </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <h1>This is a heading</h1>
9        <p>
10          This is a paragraph.
11        </p>
12      </div>
13    </body>
14  </html>
```

CSS code

A screenshot of a code editor window titled "File Edit Selection View Go Run Terminal Help". The main area displays the following CSS code:

```
C: > xampp > htdocs > project > css > style.css > ...
1  div {
2    border: solid 1px red;
3    height: 150px;
4  }
5  h1 {
6    position: relative;
7    z-index: 1;
8  }
9  p {
10   background-color: skyblue;
11   position: relative;
12   top: -25px;
13   z-index: 2;
14 }
```

The line "background-color: skyblue;" is highlighted with a red rectangular box.

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HTML code

```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Z-index </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <h1>This is a heading</h1>
9        <p>
10       This is a paragraph.
11     </p>
12   </div>
13 </body>
14 </html>
```

CSS code

```
C: > xampp > htdocs > project > css > style.css > ...
1  div {
2    border: solid 1px red;
3    height: 150px;
4  }
5  h1 {
6    position: relative;
7    z-index: 1;
8  }
9  p {
10   background-color: skyblue;
11   position: relative;
12   top: -25px;
13   z-index: 2;
14 }
```

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HTML code

```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Z-index </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div>
8        <h1>This is a heading</h1>
9        <p>
10       This is a paragraph.
11     </p>
12   </div>
13 </body>
14 </html>
```

CSS code

```
C: > xampp > htdocs > project > css > style.css > ...
1  div {
2    border: solid 1px red;
3    height: 150px;
4  }
5  h1 {
6    position: relative;
7    z-index: 1;
8  }
9  p {
10   background-color: skyblue;
11   position: relative;
12   top: -25px;
13   z-index: 2;
14 }
```

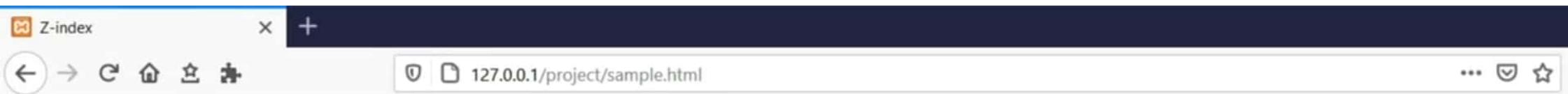
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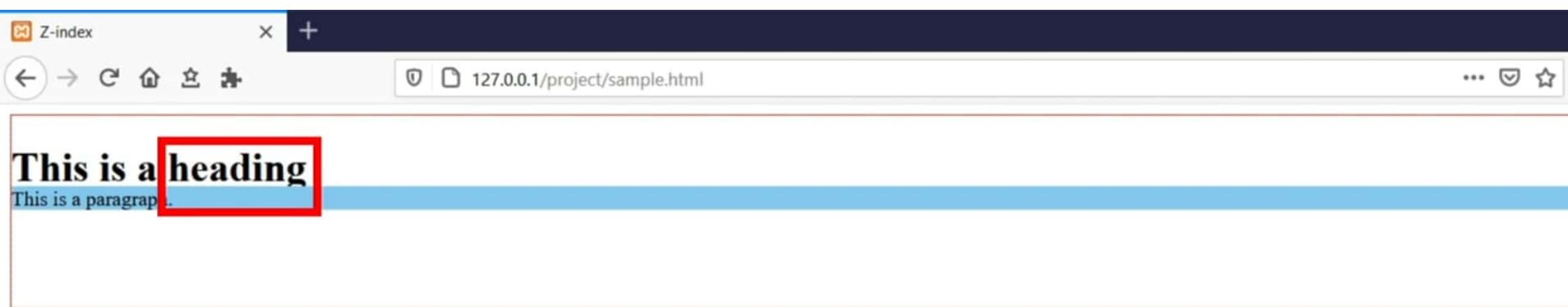
This is a heading

This is a paragraph.

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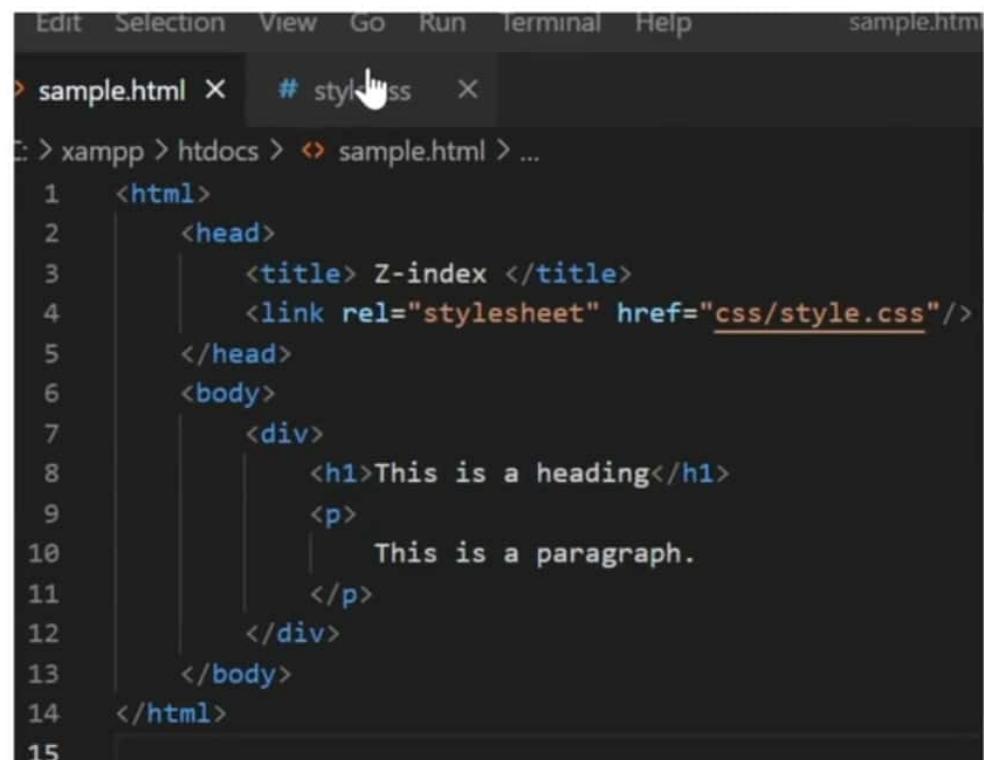


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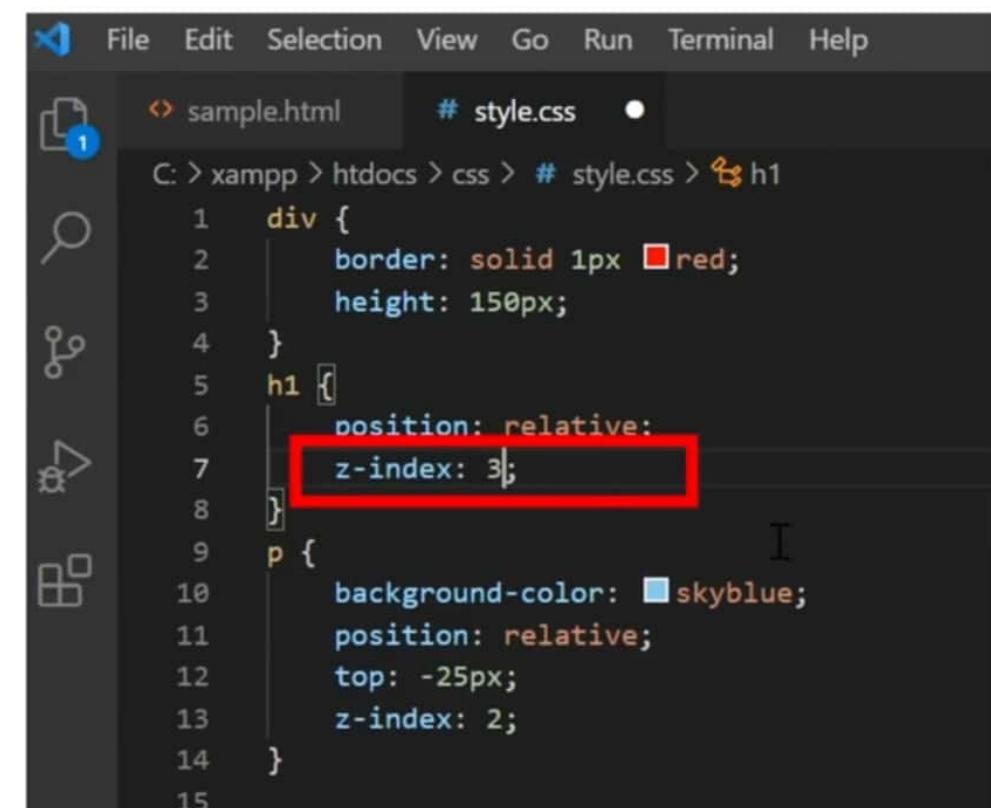
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HTML code



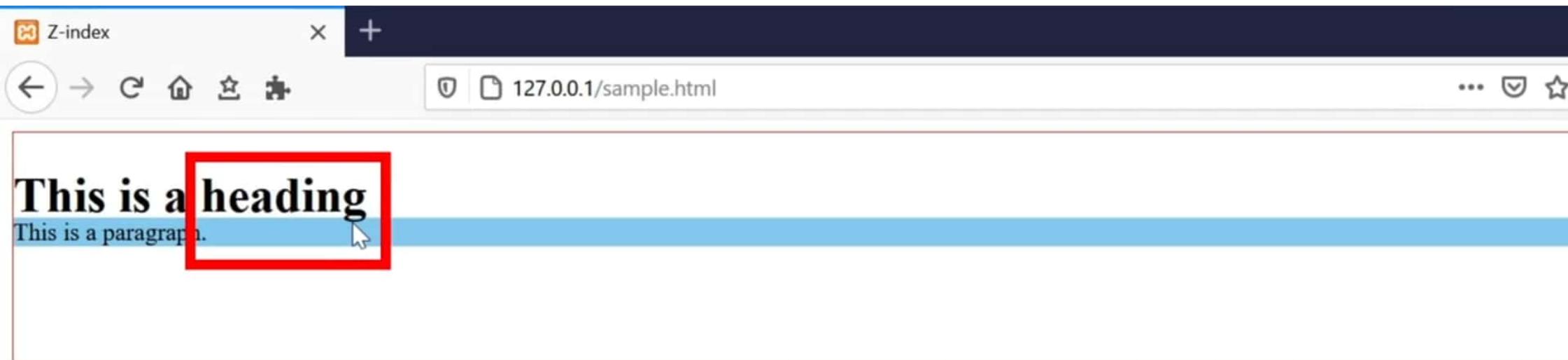
```
sample.html
sample.html # style.css
C:\xampp\htdocs\sample.html> ...
1 <html>
2   <head>
3     <title> Z-index </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       <h1>This is a heading</h1>
9       <p>
10      This is a paragraph.
11     </p>
12   </div>
13 </body>
14 </html>
15
```

CSS code



```
File Edit Selection View Go Run Terminal Help
sample.html # style.css
C:\xampp\htdocs\css\# style.css> h1
1 div {
2   border: solid 1px red;
3   height: 150px;
4 }
5 h1 {
6   position: relative;
7   z-index: 3;
8 }
9 p {
10  background-color: skyblue;
11  position: relative;
12  top: -25px;
13  z-index: 2;
14 }
15
```

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Module 2 > Topic 9 > Video 1

Structuring a Web Page Using `inline-block` - I



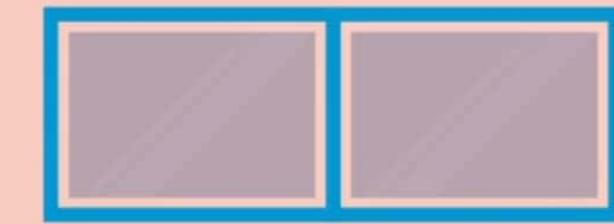
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Learning objectives

- Explain wireframes.
- List down different ways to create a wireframe.
- Create a wireframe using display:inline-block.



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**Structuring a
web page**



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A screenshot of a web browser showing a car listing for a Renault Duster. The page has a dark blue header with a 'New Tab' tab. Below the header is a navigation bar with links: PRICE (highlighted in yellow), COMPARE, IMAGES, SPECS, USER REVIEWS, 360 VIEW, VARIANTS, VIDEOS, OFFERS, and MORE. A search bar is also present. The main content area shows a side-view image of a brown Renault Duster. Above the car is a five-star rating icon. To the right of the car, there is a table of prices:

	₹ 5,12,000
RXE (Petrol) (Base Model)	₹ 5,12,000
Ex-Showroom Price	₹ 30,430
RTO	₹ 28,144
Insurance	₹ 10,040
Others	₹ 19,193
Optional	₹ 5,80,614** <small>Report Incorrect Price</small>

Below the car image, there is a 'View Offers' button. At the bottom left, it says '₹ 5.12 - 7.34Lakh**' and 'On Road Price of Renault Duster New Delhi'. On the right side, there is a red phone icon with the word 'Contact'.

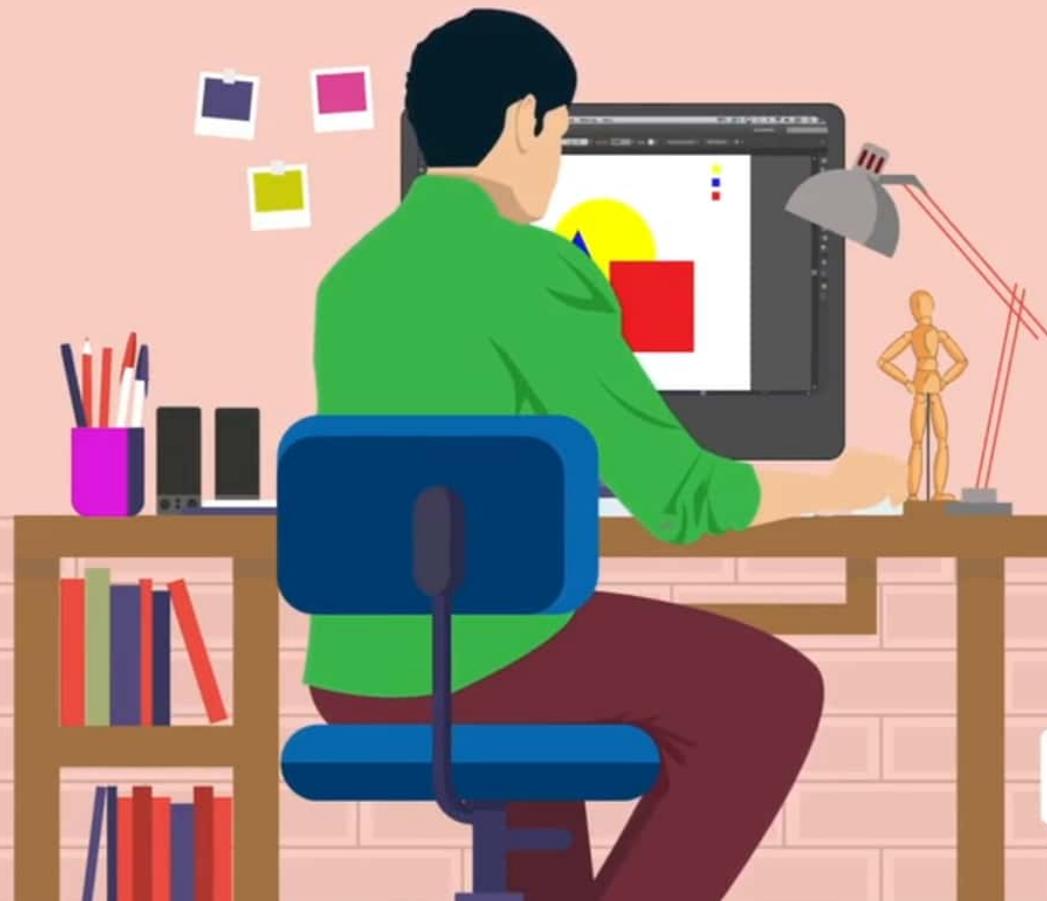
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Web developer

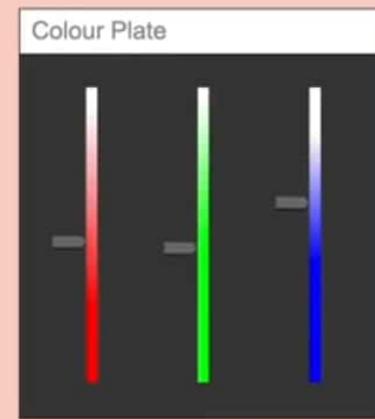
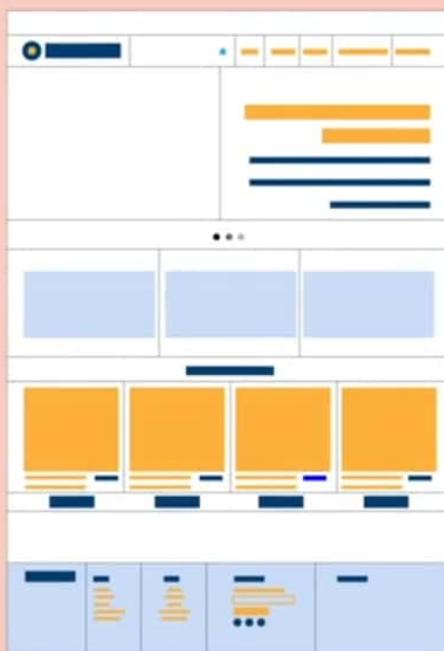


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Designer



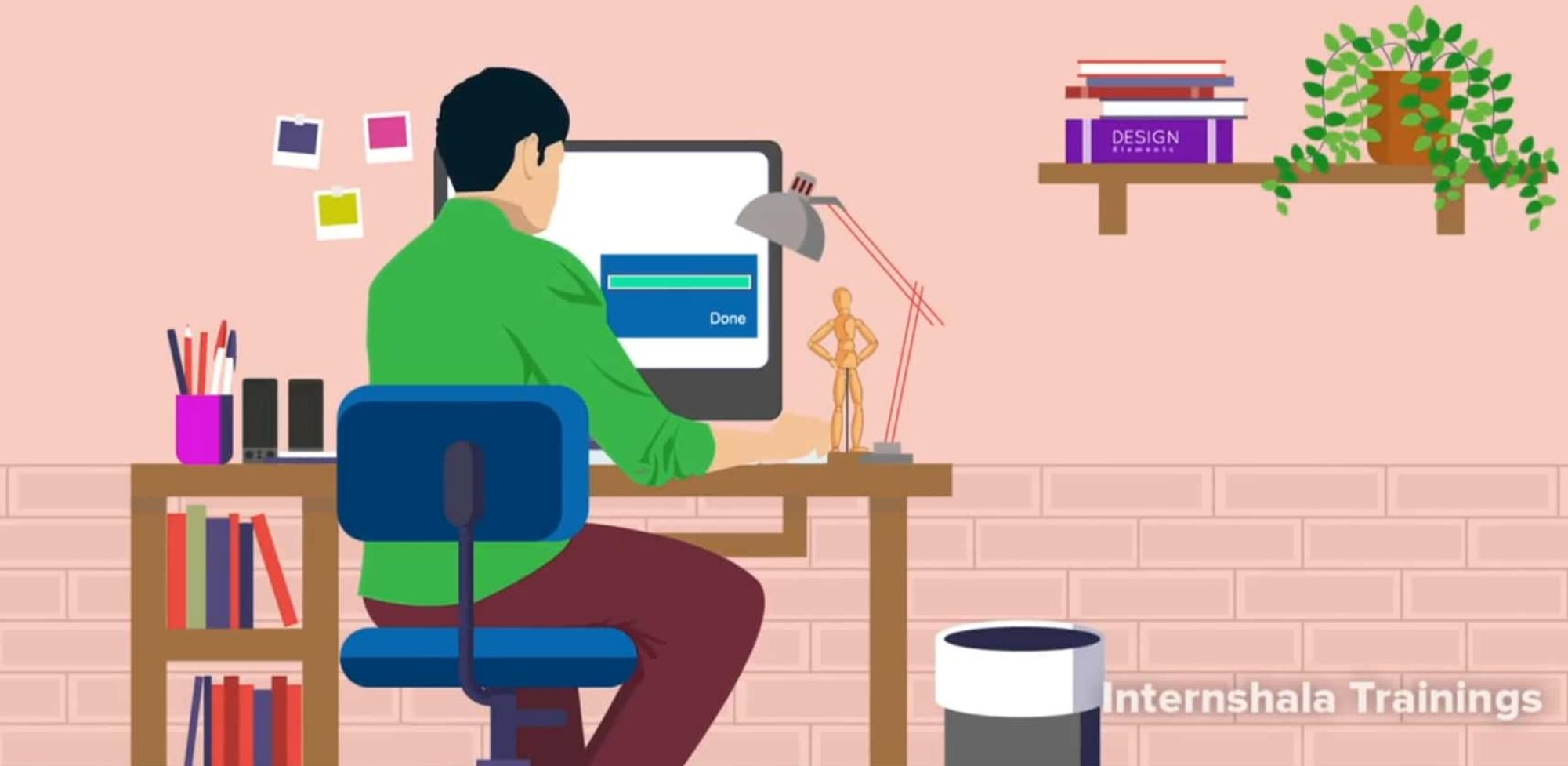
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A

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Design shared



Web developer



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The PG Life homepage features a large banner image of five students (three girls and two boys) sitting together and studying. Overlaid on the banner is the text "Happiness per Square Foot" in a large, white, sans-serif font. Below this, there is a search bar with the placeholder "Enter your city to search for PGs" and a magnifying glass icon. The PG Life logo is visible in the top left corner of the page.

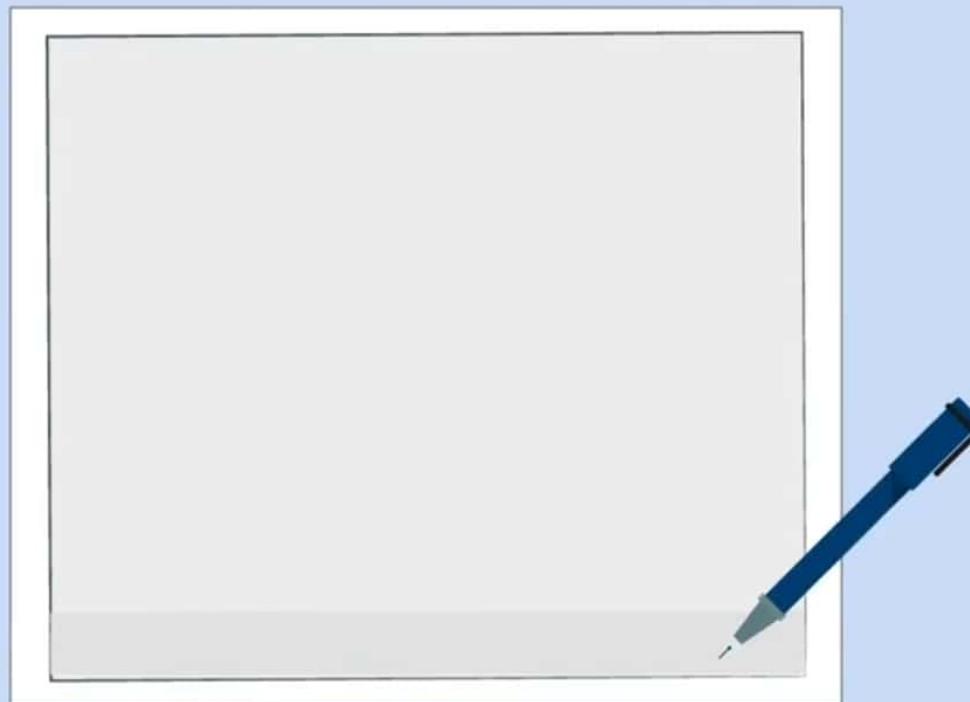
Major Cities

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```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Welcome | PG Life</title>
7
8   <link href="css/bootstrap.min.css" rel="stylesheet" />
9   <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10  <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&display=swap" rel="styl
11  <link href="css/common.css" rel="stylesheet" />    <link href="css/home.css" rel="stylesheet" />
12
13 </head>
14
15 <body>
16   <div class="header sticky-top">
17     <nav class="navbar navbar-expand-md navbar-light">
18       <a class="navbar-brand" href="index.php">
19         
20       </a>
21       <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22         <span class="navbar-toggler-icon"></span>
23       </button>
24
25       <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26         <ul class="navbar-nav">
27           <li class="nav-item">
28             <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29               <i class="fas fa-user"></i>Signup
30             </a>
31           </li>
32           <div class="nav-vl"></div>
33           <li class="nav-item">
34             <a class="nav-link" href="#" data-toggle="modal" data-target="#login-modal">
35               <i class="fas fa-sign-in-alt"></i>Login
36             </a>
37           </li>
38         </ul>
39       </div>
40     </nav>
41   </div>
42   .. ...
43   </nav>
44 </div>
```

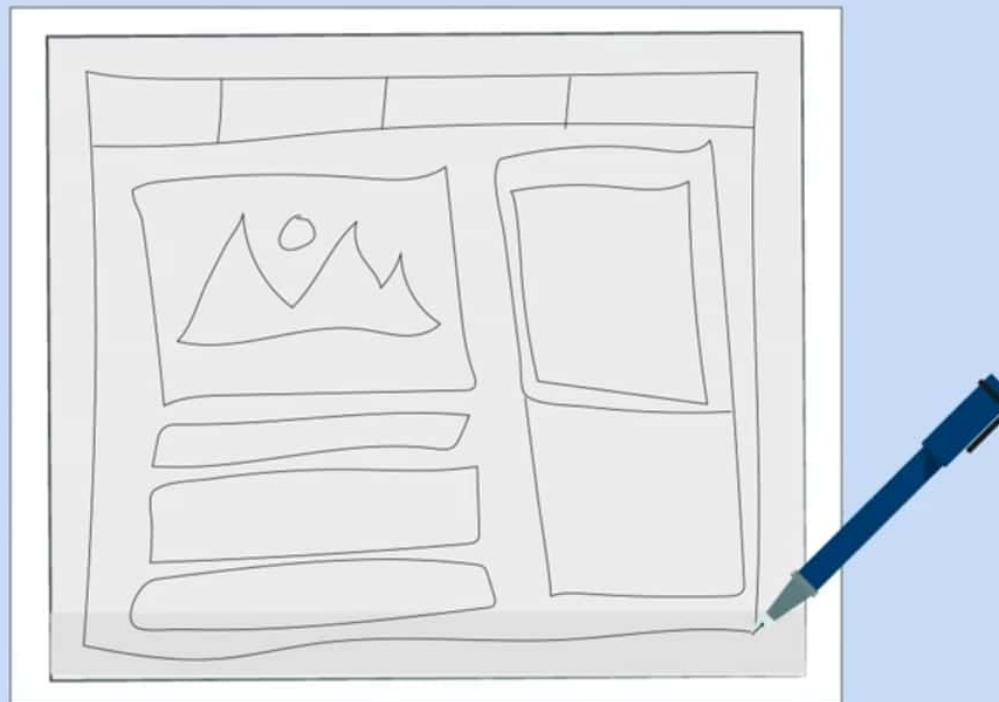
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Wireframe



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Wireframe



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What is a wireframe?

A wireframe is a skeletal outline of a web page. It consists of horizontal or vertical lines that form boxes denoting containers that further contain different elements of the web page.

Wireframe

The wireframe shows a car listing page for the Renault Duster. At the top, there's a navigation bar with tabs: PRICE (highlighted in yellow), COMPARE, IMAGES, SPECS, USER REVIEWS, 360 VIEW, VARIANTS, VIDEOS, OFFERS, and MORE. Below the navigation is a breadcrumb trail: HOME > NEW CARS > RENAULT > DUSTER. To the right is a search bar with a magnifying glass icon.

Below the navigation, there's a rating section showing 4.5 stars out of 5. The main image of the car is displayed with left and right arrows for navigation. Below the image are color swatches for various options: white, cyan, black, red, blue, and brown.

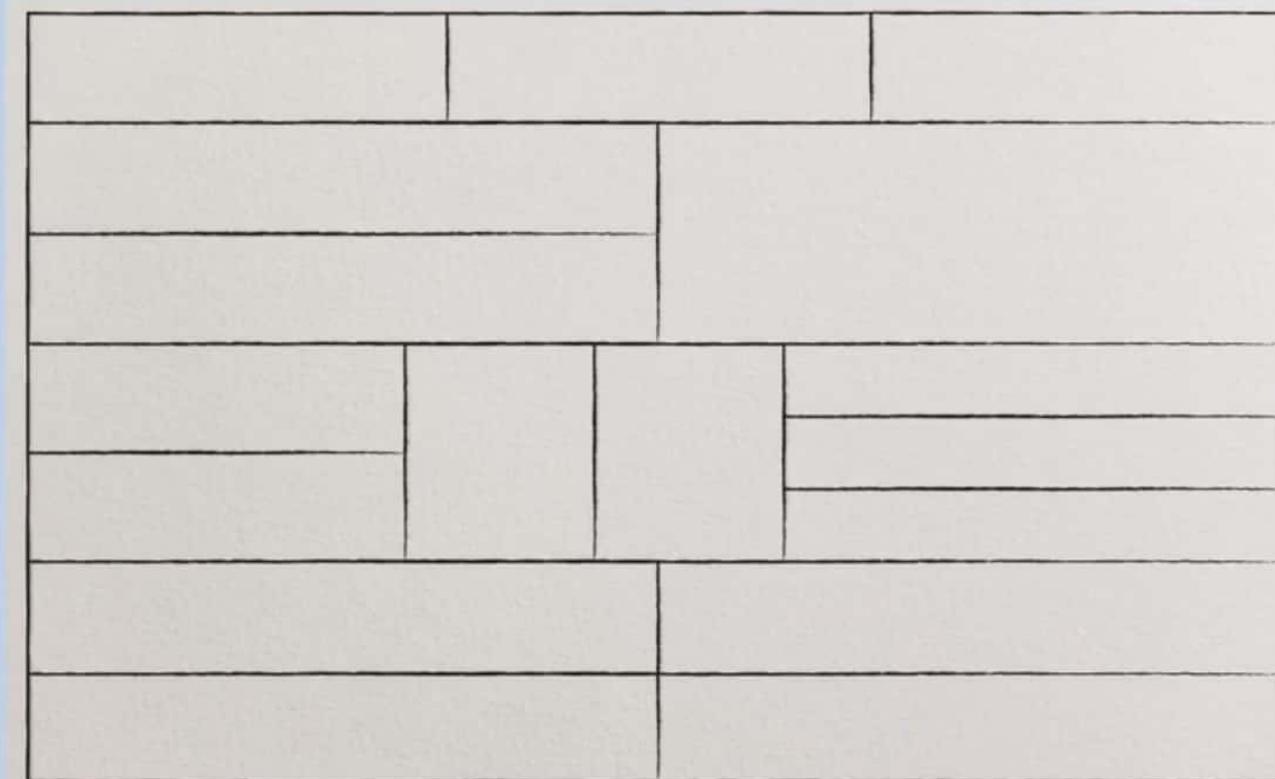
A prominent yellow button labeled "View Offers" is located below the car image. Below this button, the price range is displayed as ₹ 5.12 - 7.34 Lakh**. A subtext below the price specifies "On Road Price of Renault Duster New Delhi".

To the right of the car image, a table lists the prices for different components:

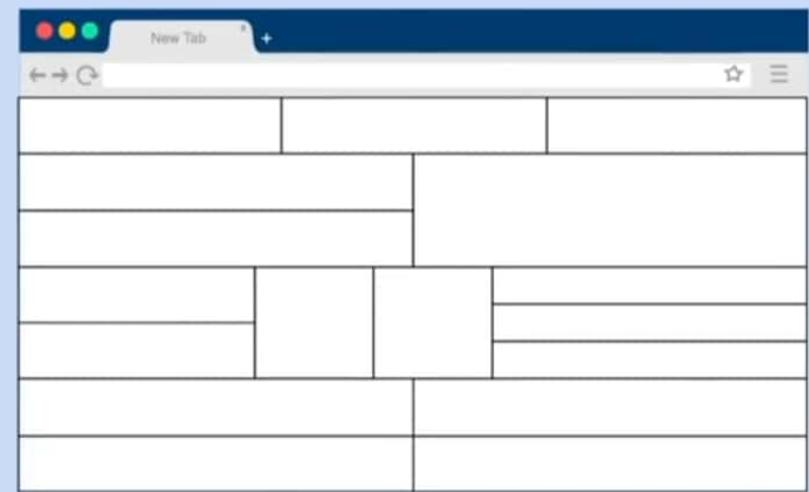
RXE (Petrol) (Base Model)	₹ 5,12,000
Ex-Showroom Price	₹ 30,430
RTO	₹ 28,144
Insurance	₹ 10,040
Others	₹ 19,193
Optional	
On-Road Price in New Delhi	₹ 5,80,614** <small>Report Inorrect Price</small>

A yellow banner on the right side of the page says "YOUR-CAR". Below it is a red button with a white phone icon and the text "Contact Dealer".

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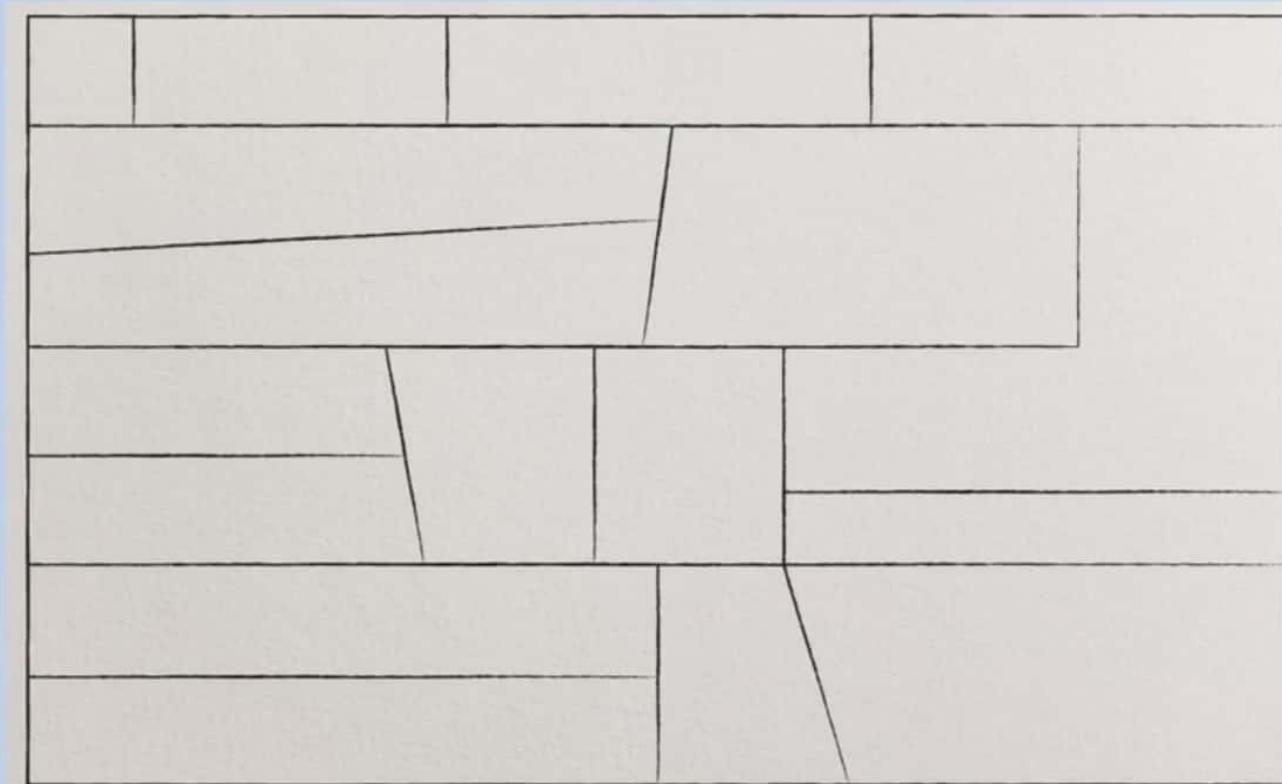
A screenshot of a web browser window displaying a 4x4 grid of numbered cells. The grid contains the following values:

1	2	3	
4			6
5			
7	9	10	11
8			12
			13
14			15
16			17

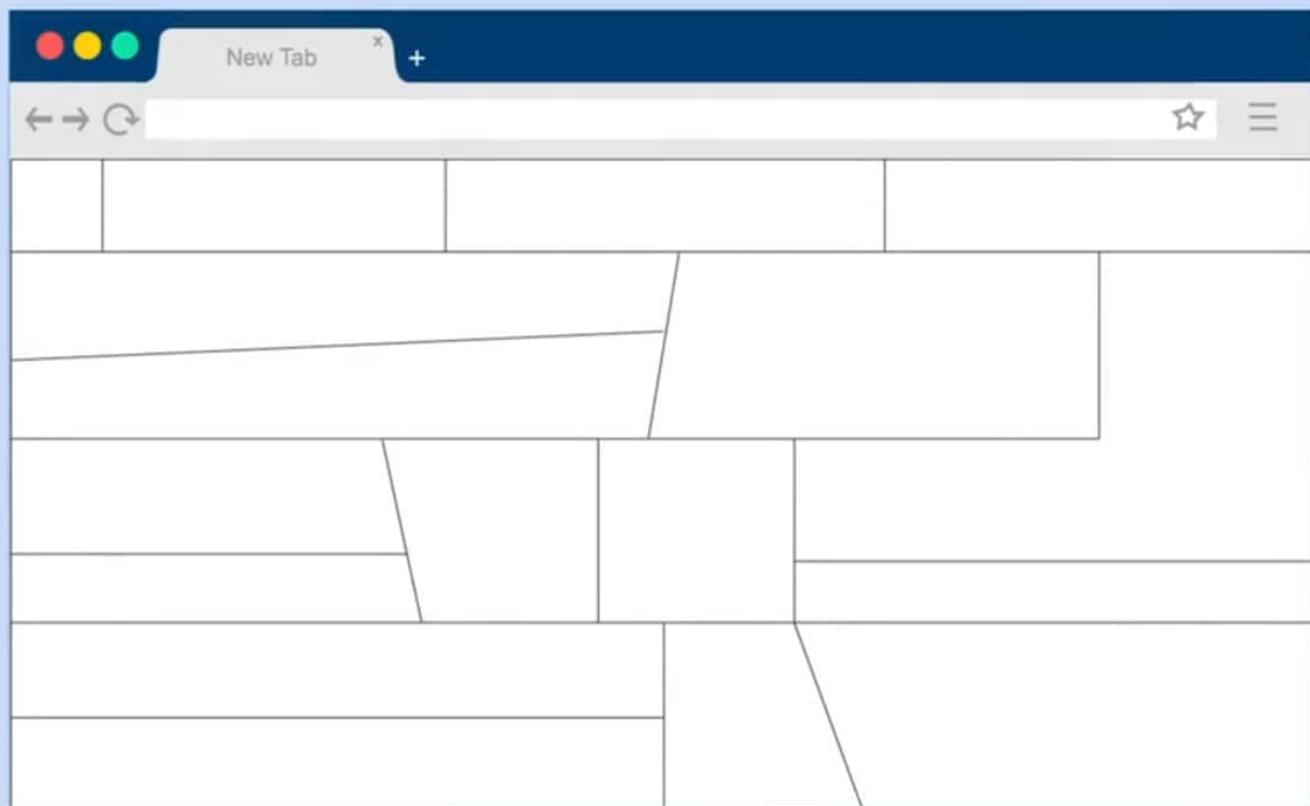
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New Tab +

Home About Us

☰ Donut Wala

Fresh cream, melting chocolate, mango topping, sugar drizzle and more, doughnuts come in so many divine flavours

and we love how this sweet thing just melts right away as you take the first bite. Oh, and how much we love the ones that have a center filled with chocolate (we think, we are ordering one right away!).

We know everyone has a favourite doughnut place but, if are you looking for new options, we've picked out some of the best places for you.

Home Delivery Service available

DID YOU KNOW?

city

More

The screenshot displays a web browser window with a dark blue header. The title bar says 'New Tab' and has standard window controls (red, yellow, green). Below the header is a toolbar with back/forward buttons and a search bar. The main content area has a white background. On the left, there's a sidebar with a menu icon (three horizontal lines) and the text 'Donut Wala'. To the right of the sidebar are two navigation links: 'Home' and 'About Us'. The central content area contains several paragraphs of text describing different doughnut types and flavors. At the bottom, there's a section titled 'DID YOU KNOW?' with a 'city' entry and a red 'More' button. The overall design is clean and modern.

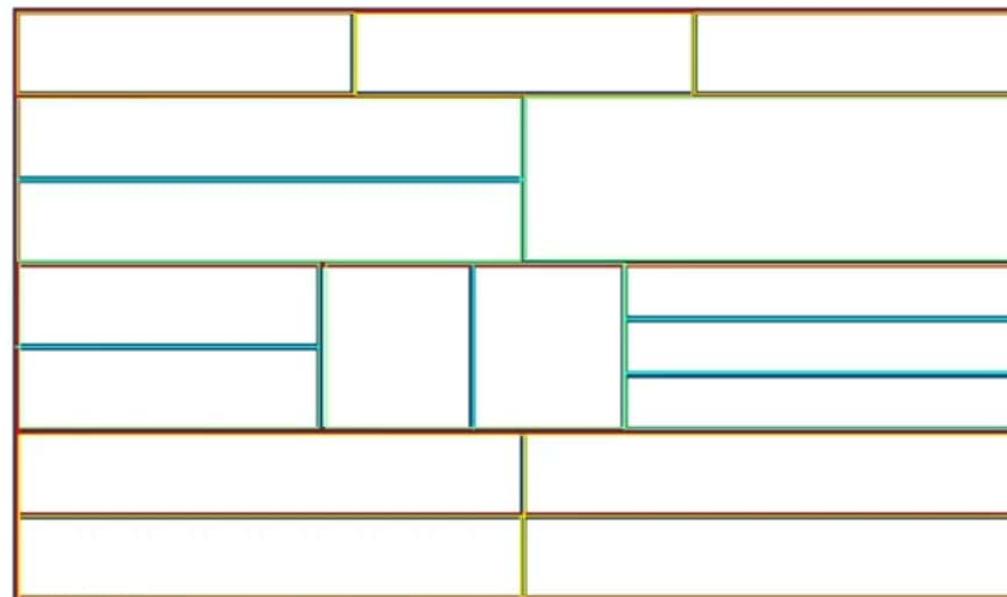
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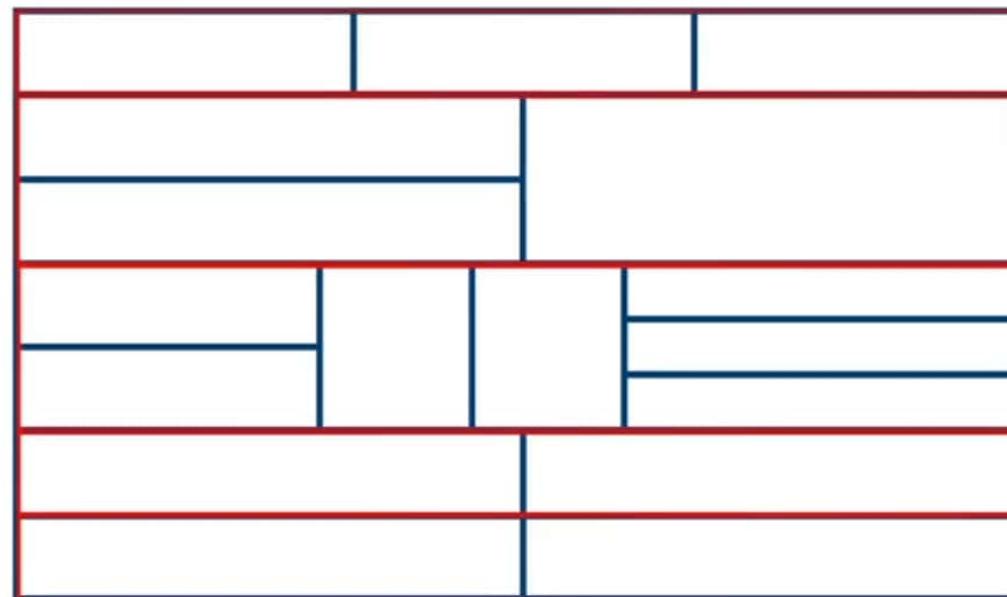
Different ways to create a wireframe

1. display:inline-block
2. float
3. flexbox

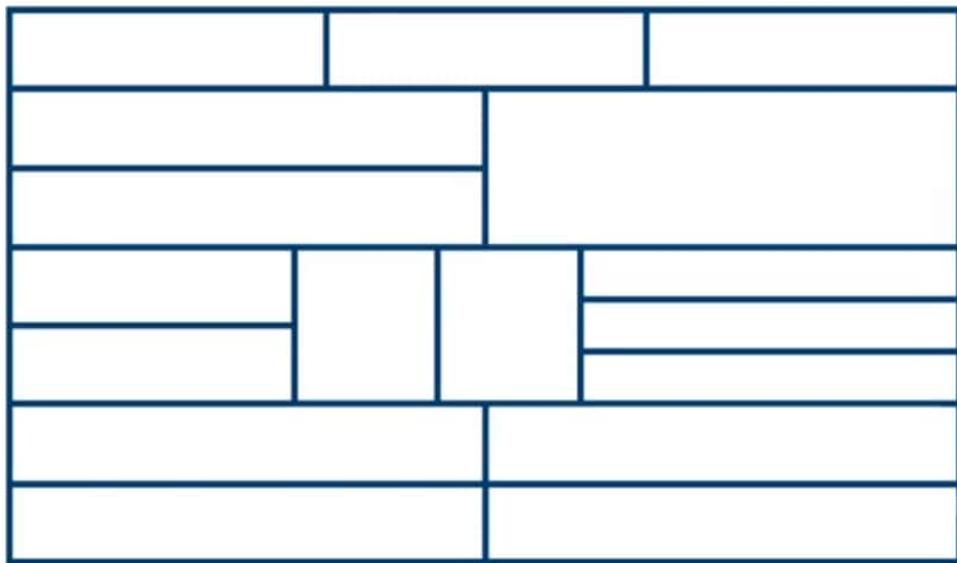
- ⌚ **display:inline-block**



- ⌚ **display:inline-block**



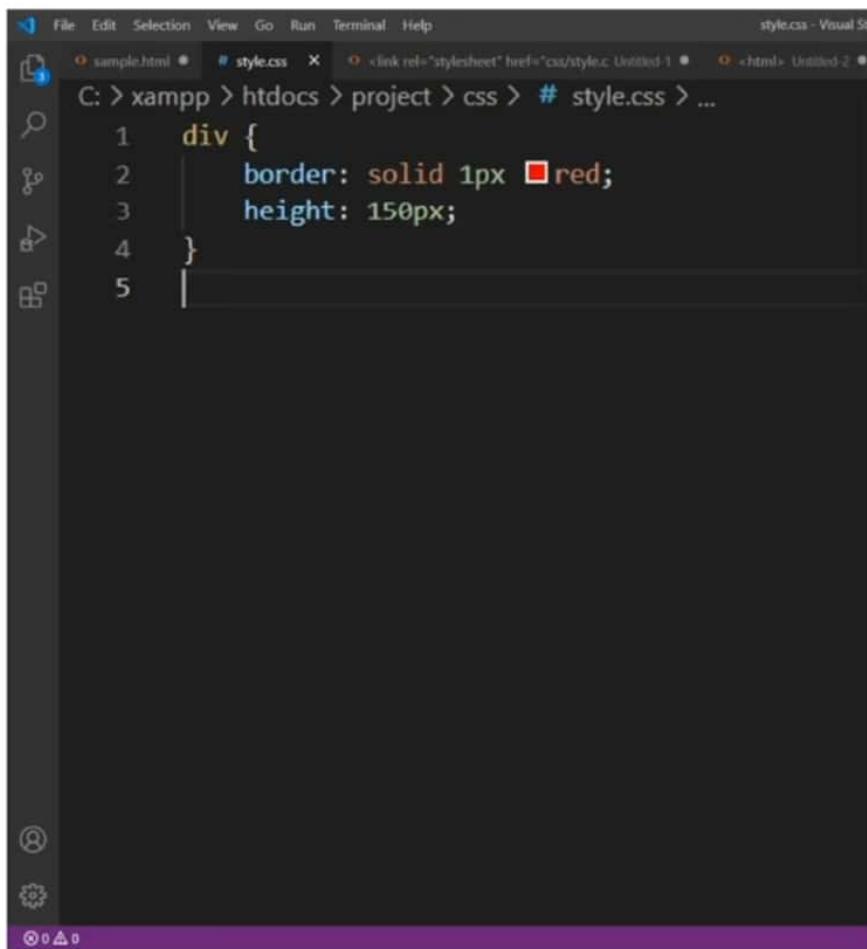
HTML code



```
File Edit Selection View Go Run Terminal Help
sample.html ● # style.css <link rel="stylesheet" href="css/style.css" Untitled-1
C: > xampp > htdocs > project > sample.html > html > body > div
1 <html>
2   <head>
3     <title> Structuring a Web Page </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       </div>
9
10    <div>
11      </div>
12
13    <div>
14      </div>
15
16    <div></div>
17
18    <div></div>
19
20  </body>
21
22</html>
```

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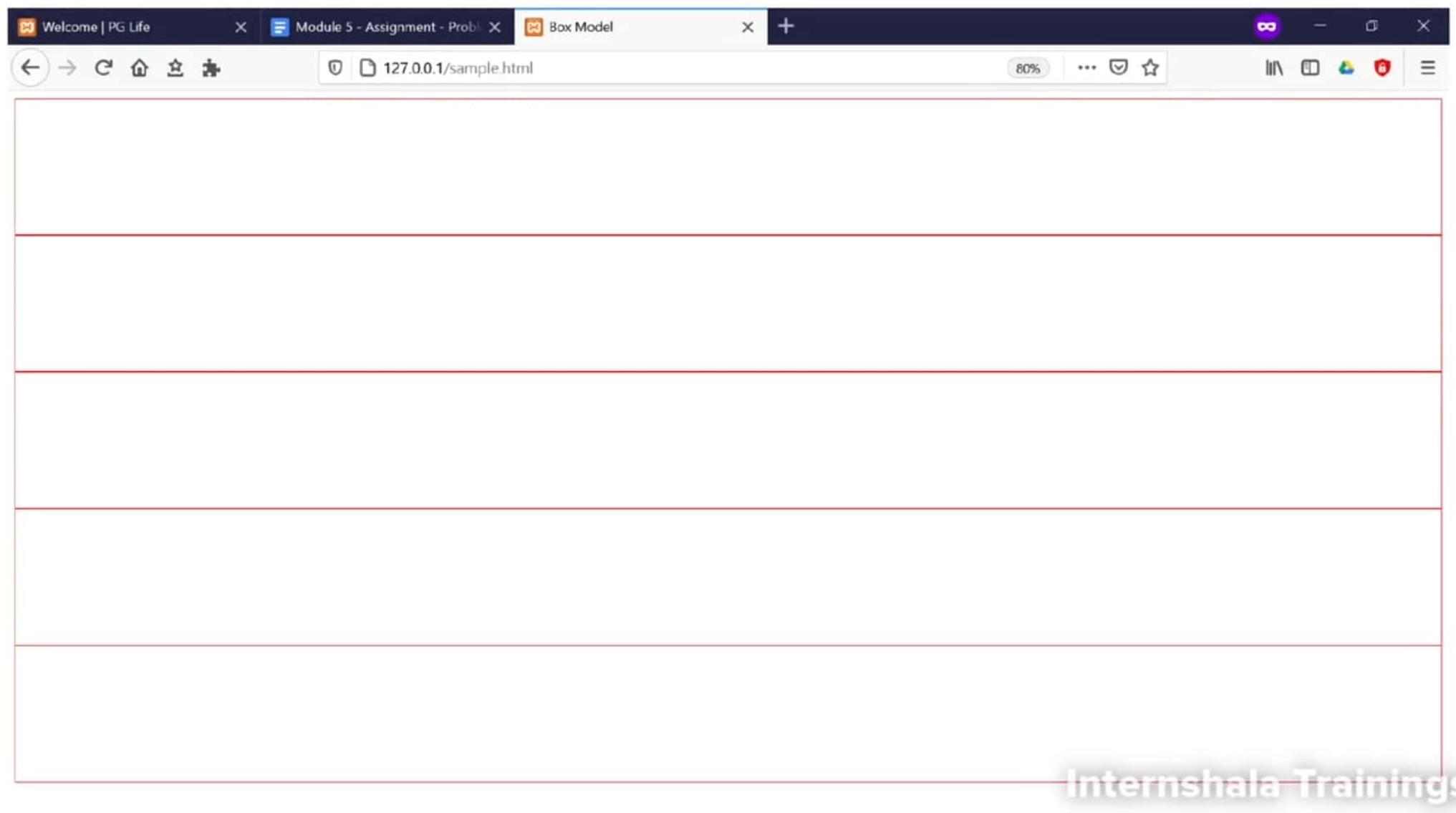
HTML code



The screenshot shows a dark-themed instance of Visual Studio Code. The title bar reads "style.css - Visual Studio Code". The left sidebar shows a tree view with files: "sample.html", "style.css", a link to "style.css", and two untitled files. The main editor area contains the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1 div {
2     border: solid 1px red;
3     height: 150px;
4 }
5
```

➤ The default value of height property is auto for <div> elements.



display:block

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Module 2 > Topic 9 > Video 2

Structuring a Web Page Using inline-block - II

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Learning objective

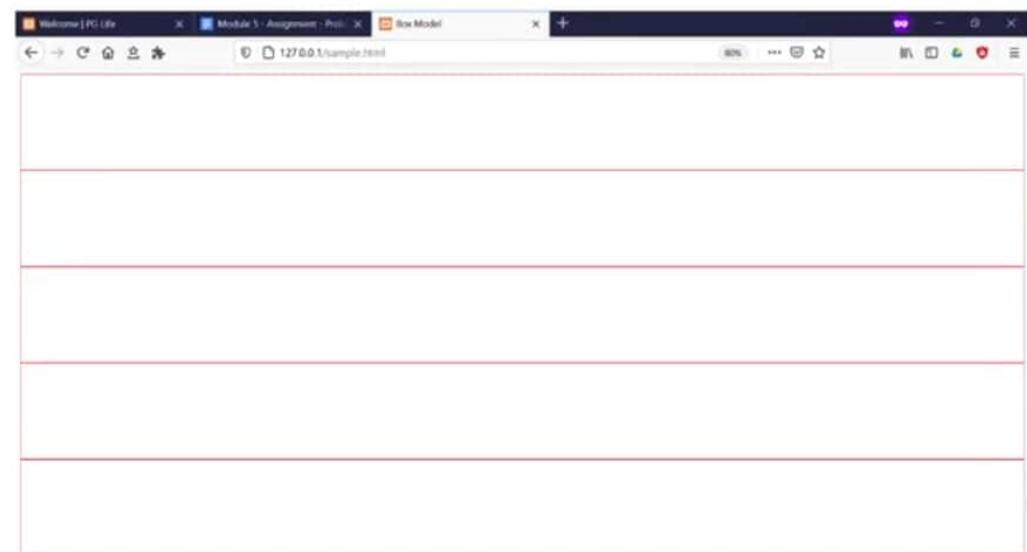
- Create a wireframe using display:inline-block.

HTML code

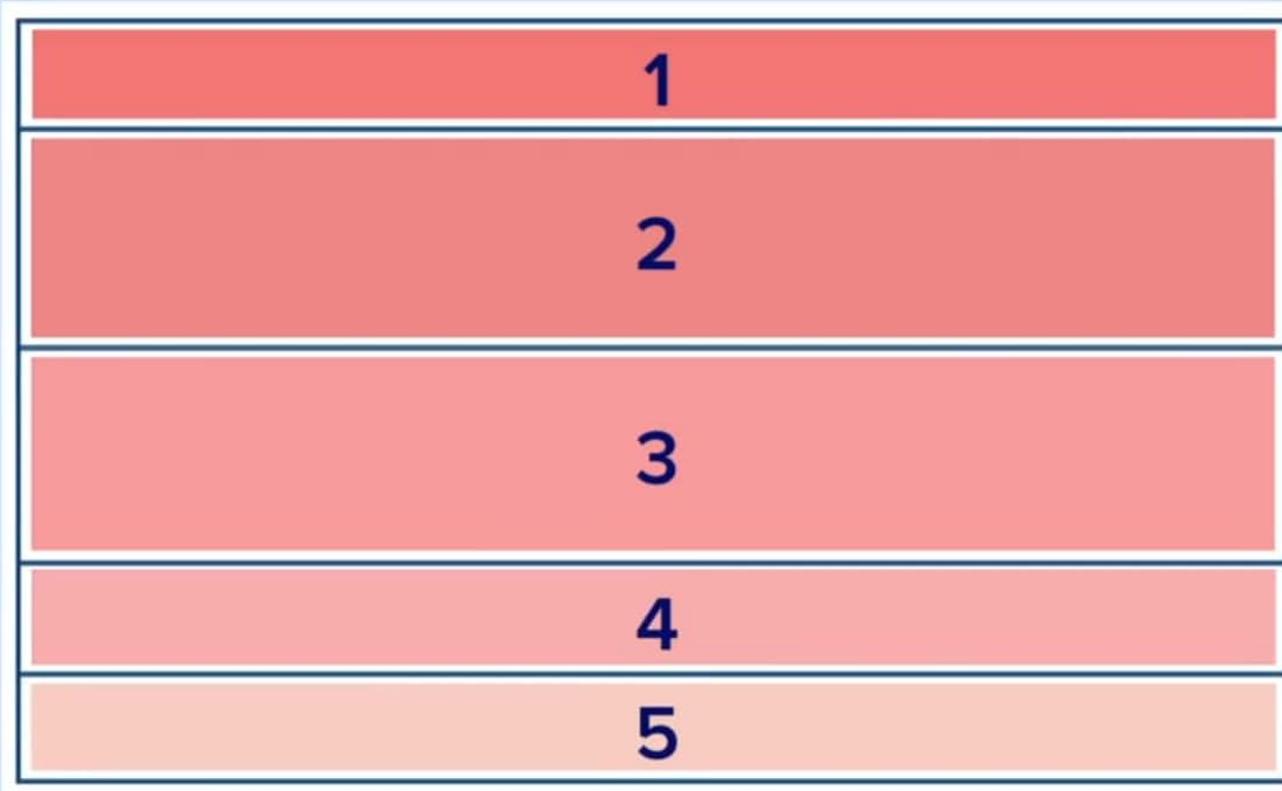
A screenshot of the Visual Studio Code interface. The title bar shows "File Edit Selection View Go Run Terminal Help" and the file path "C:\xampp\htdocs\project\sample.html". The main editor area displays the following HTML code:

```
1 <html>
2   <head>
3     <title> Structuring a Web Page </title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div>
8       </div>
9
10    <div>
11      </div>
12
13    <div>
14      </div>
15
16    <div>
17      </div>
18
19    <div>
20      </div>
21  </body>
22</html>
```

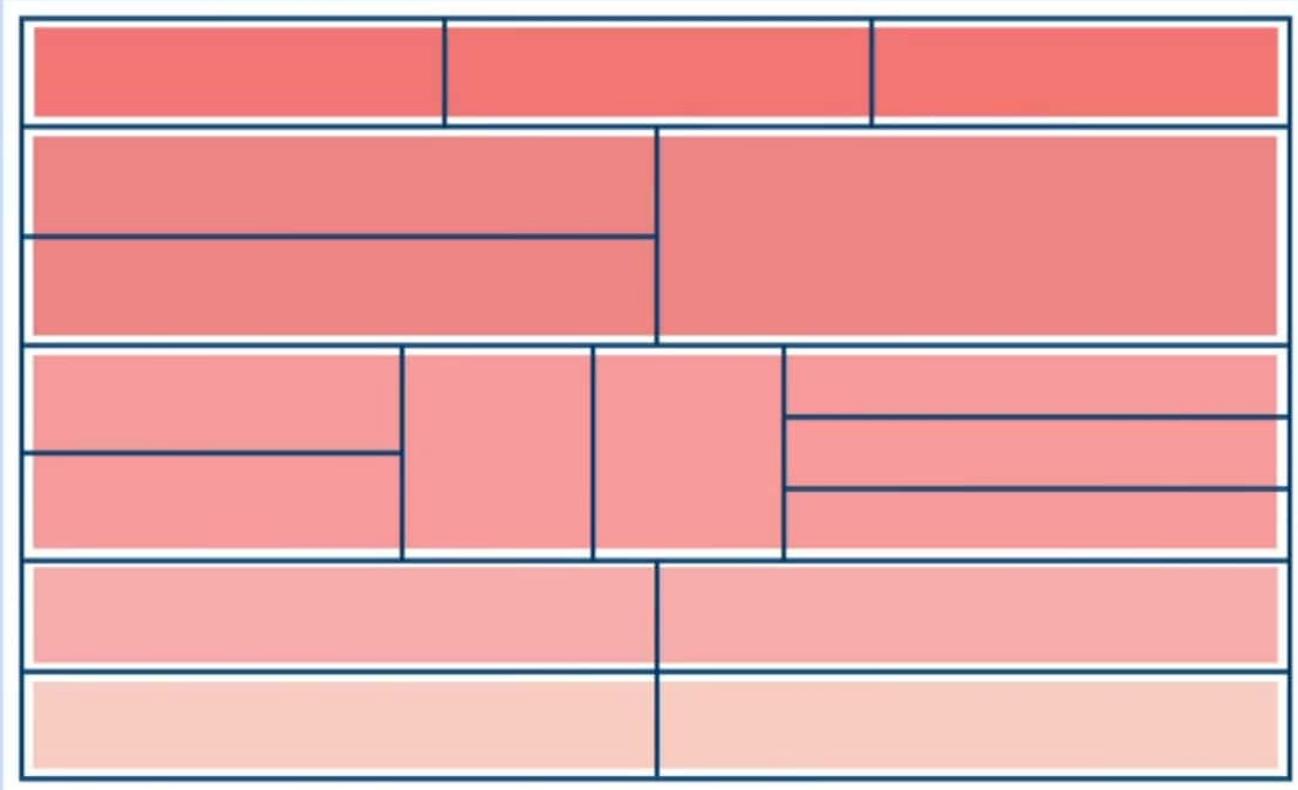
Output



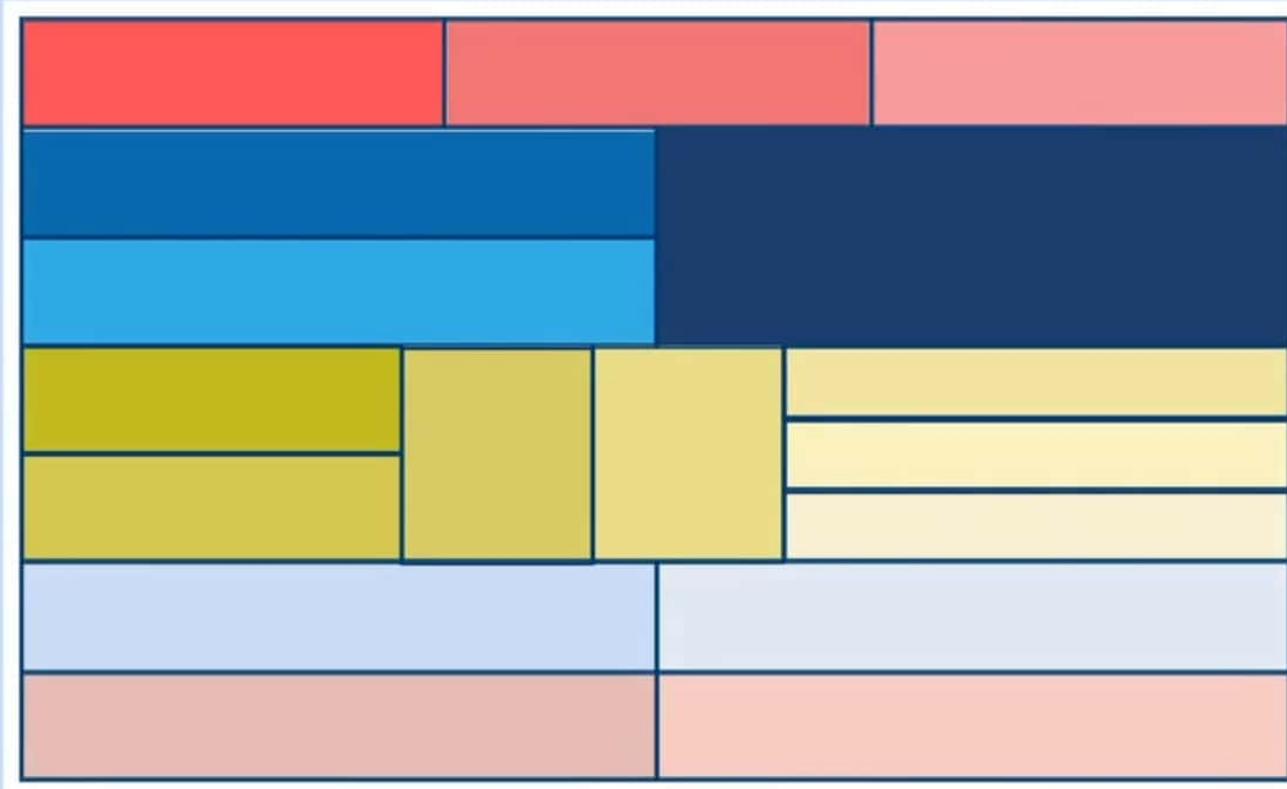
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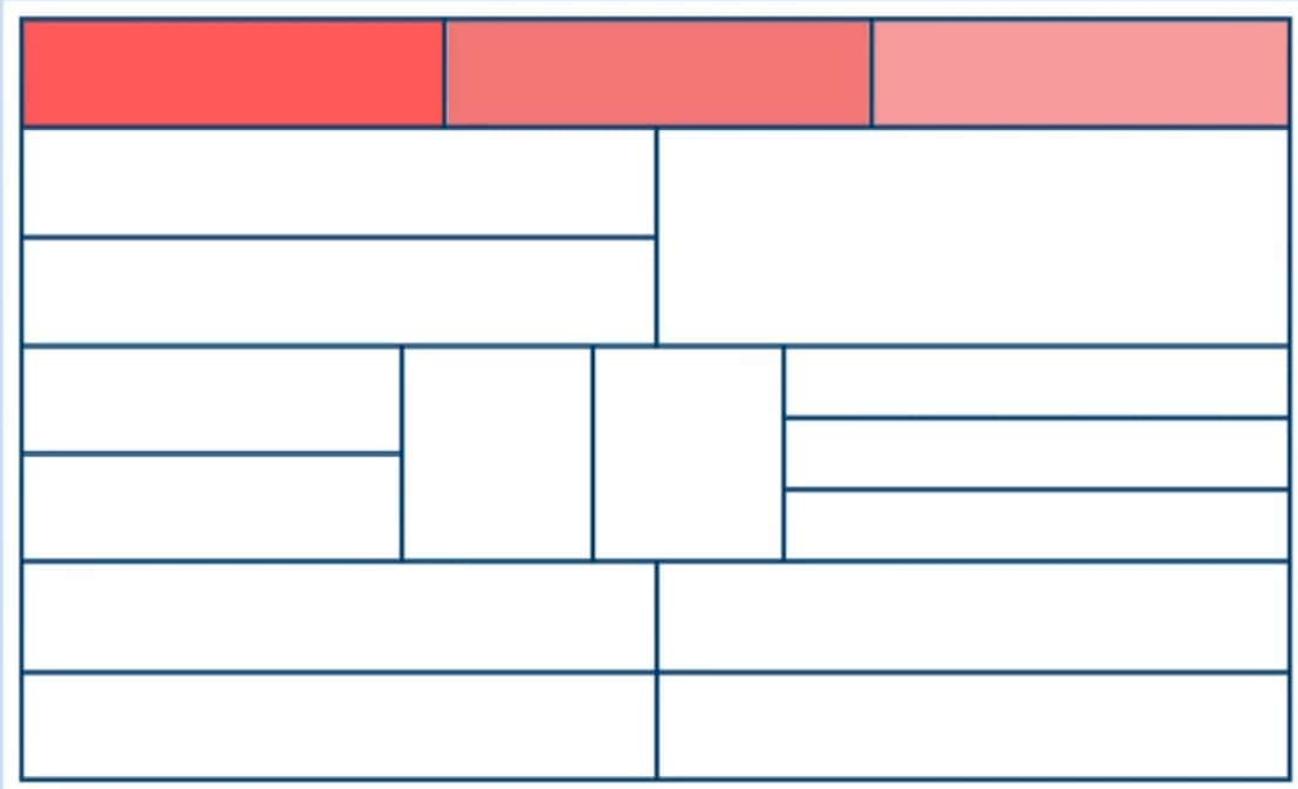
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sample.html • # style.css • <html> Untitled-1 •

C: > xampp > htdocs > sample.html > html > body > div > div

```
1  <html>
2      <head>
3          <link rel="stylesheet" href="css/style.css"/>
4      </head>
5      <body>
6          <div>
7              <div></div>
8              <div></div>
9              <div></div> I
10
11         </div>
12
13         <div>
14
15         </div>
16         <div>
17
18         </div>
19         <div>
20
21         </div>
22         <div>
23
24         </div>
25
26     </body>
27 </html>
```

display:block

Element 1

Element 2

Element 3

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display:inline-block

Element 1

Element 2

Element 3

sample.html ● # style.css ● <html> Untitled-1 ●

C: > xampp > htdocs > sample.html > html > body > div.row

```
1  <html>
2    <head>
3      <link rel="stylesheet" href="css/style.css"/>
4    </head>
5    <body>
6      <div class="row">
7        <div></div>
8        <div></div>
9        <div></div>
10       </div>
11
12      <div class="row">
13
14        </div>
15        <div class="row">
16
17        </div>
18        <div class="row">
19
20        </div>
21        <div class="row">
22          abc row
23        </div>
24          abc row2
25
26      </body>
27    </html>
```

sample.html ● # style.css ● ◊ <html> Untitled-1 ●

C: > xampp > htdocs > sample.html > html

```
1  <html>
2      <head>
3          <link rel="stylesheet" href="css/style.css"/>
4      </head>
5      <body>
6          <div class="row">
7              <div class="col"></div>
8              <div class="col"></div>
9              <div class="col"></div>
10         </div>
11
12         <div class="row">
13
14             </div>
15             <div class="row">
16
17                 </div>
18                 <div class="row">
19
20                     </div>
21                     <div class="row">
22
23                         </div>
24
25             </body>
26         </html>
```

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sample.html

style.css

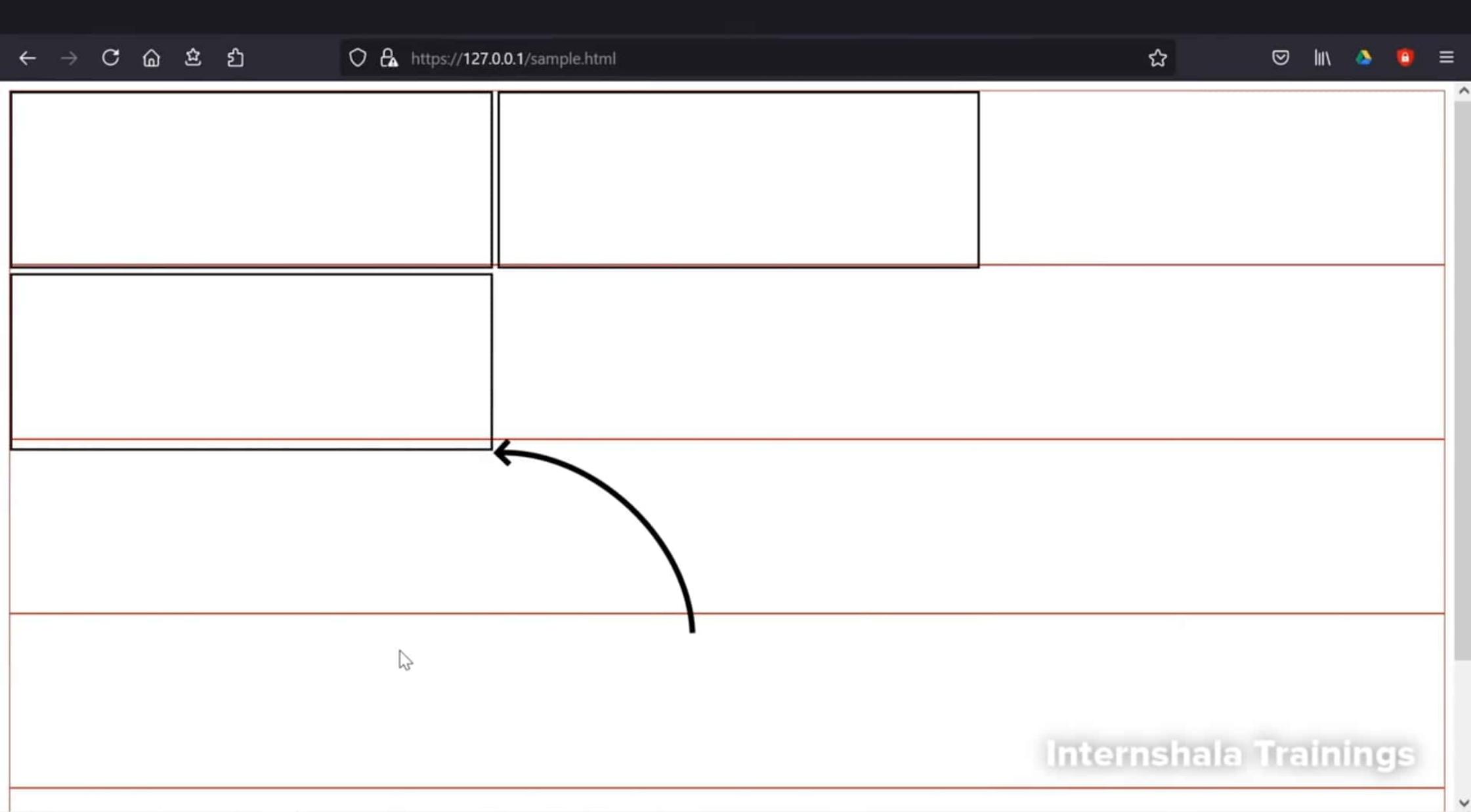
<html> Untitled-1

C: > xampp > htdocs > css > # style.css > ...

```
1 .row {  
2     border: solid 1px red;  
3     height: 150px;  
4 }  
5 .col {  
6     border: solid 2px black;  
7     display: inline-block;  
8     height: 100%;  
9     width: 33.33%;  
10 }  
11
```

sample.html # style.css <html> Untitled-1

```
C: > xampp > htdocs > css > # style.css > ...
1  .row {
2      border: solid 1px red;
3      height: 150px;
4  }
5  .col {
6      border: solid 2px black;
7      display: inline-block;
8      height: 100%;
9      width: 33.33%;
10 }
11
```



sample.html

style.css

<html> Untitled-1

C: > xampp > htdocs > css > # style.css > .row

```
1  .row {
2      border: solid 1px red;
3      height: 150px;
4      font-size: 0px;
5  }
6  .col {
7      border: solid 2px black;
8      display: inline-block;
9      height: 100%;
10     width: 33.33%; 
11 }
```

display:inline-block

33.33%

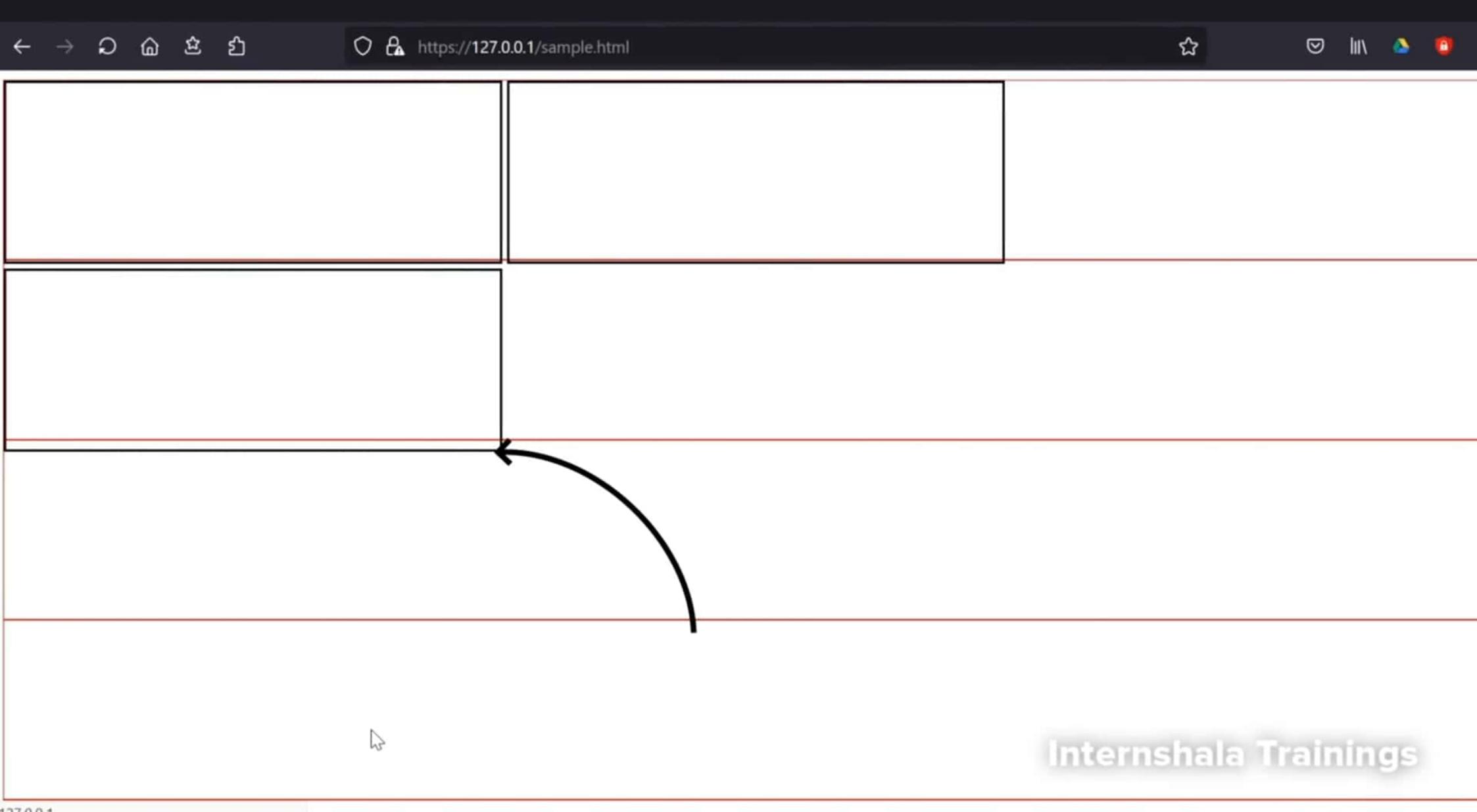
Element 1

33.33%

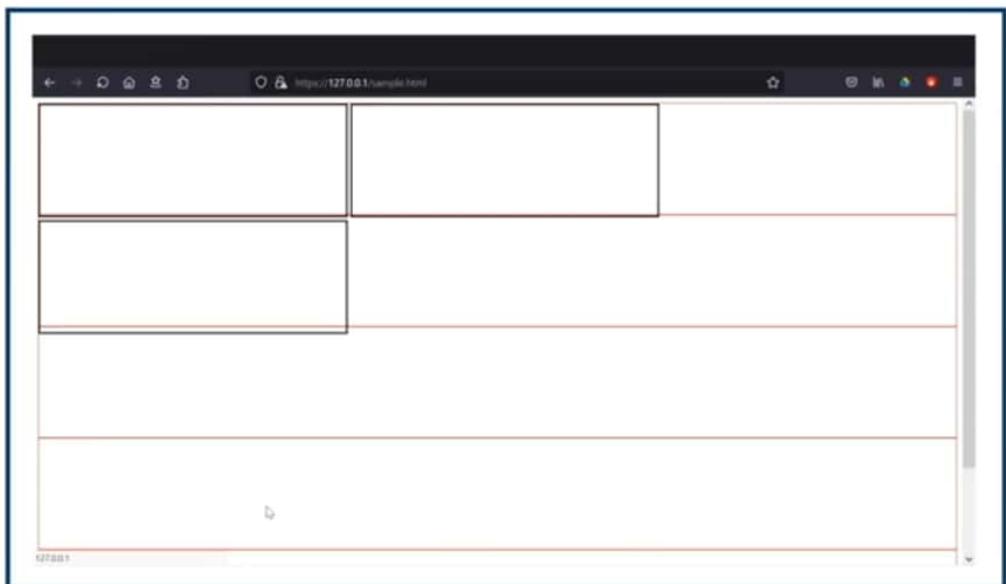
Element 2

33.33%

Element 3



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Total width = 1400px

Border of the container = 1px/side

Internal space = 1400px - 2px = 1398px

Width of each element inside the container = $33.33\% * 1400\text{px} = 466\text{px}$

Border of internal boxes = 2px/side

New width of each element inside the container = $466\text{px} + 4\text{px} = 470\text{px}$

Total width of 3 elements = $470\text{px} * 3 = 1410\text{px}$

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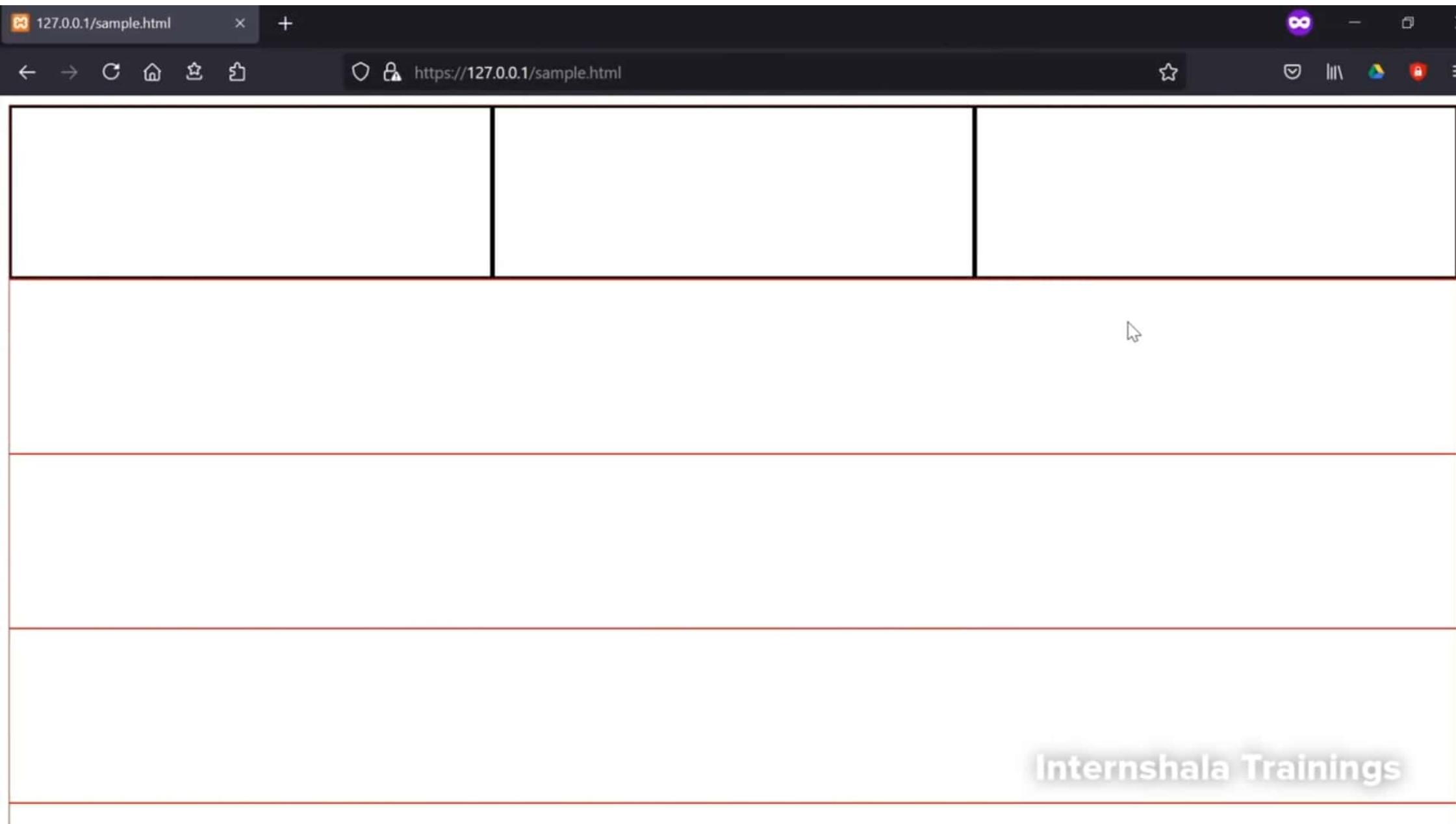
sample.html

style.css

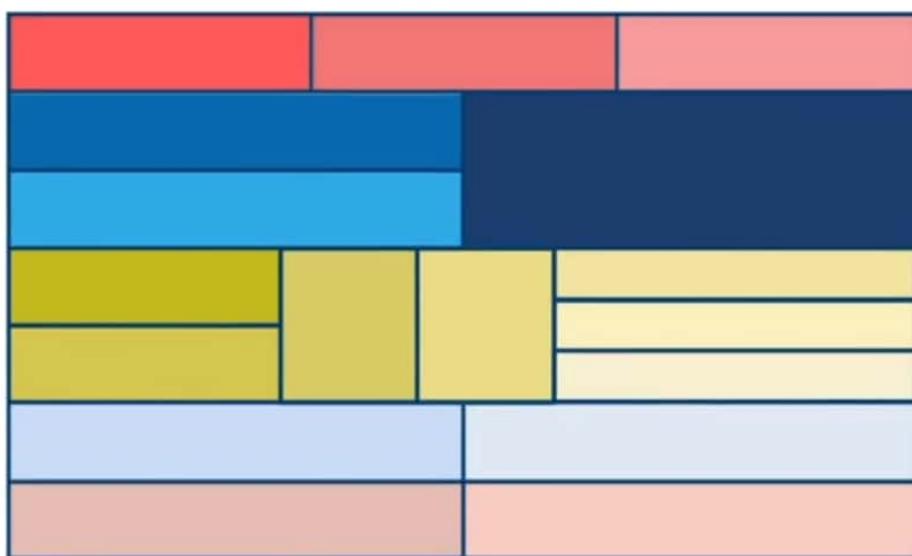
<html> Untitled-1

C: > xampp > htdocs > css > # style.css > ...

```
1  * {
2      box-sizing: border-box;
3  }
4  .row {
5      border: solid 1px red;
6      height: 150px;
7      font-size: 0px;
8  }
9  .col {
10     border: solid 2px black;
11     display: inline-block;
12     height: 100%;
13     width: 33.33%;
14 }
15
```



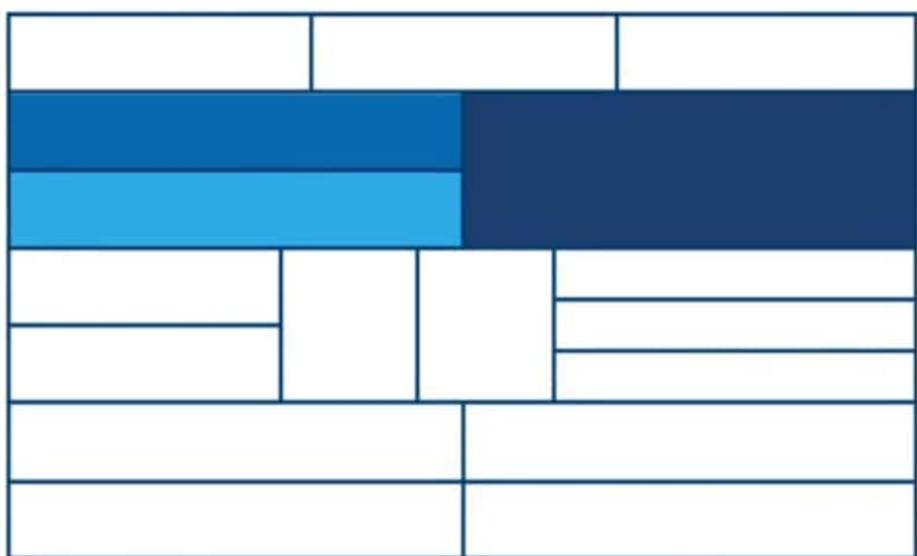
HTML code



```
File Edit Selection View Go Run Terminal Help sample.html - Module 5 Assignment  
sample.html # style.css <html> Untitled-1  
C:\xampp\htdocs\sample.html> html> body> div.row  
1 <html>  
2   <head>  
3     <link rel="stylesheet" href="css/style.css"/>  
4   </head>  
5   <body>  
6     <div class="row">  
7       <div class="col"></div>  
8       <div class="col"></div>  
9       <div class="col"></div>  
10    </div>  
11    <div class="row">  
12      <div class="col"></div>  
13    </div>  
14    <div class="row">  
15      <div class="col"></div>  
16    </div>  
17    <div class="row">  
18      <div class="col"></div>  
19    </div>  
20    <div class="row">  
21      <div class="col"></div>  
22    </div>  
23  </body>  
24</html>  
25  
26  
27  
28
```

Internshala Trainings

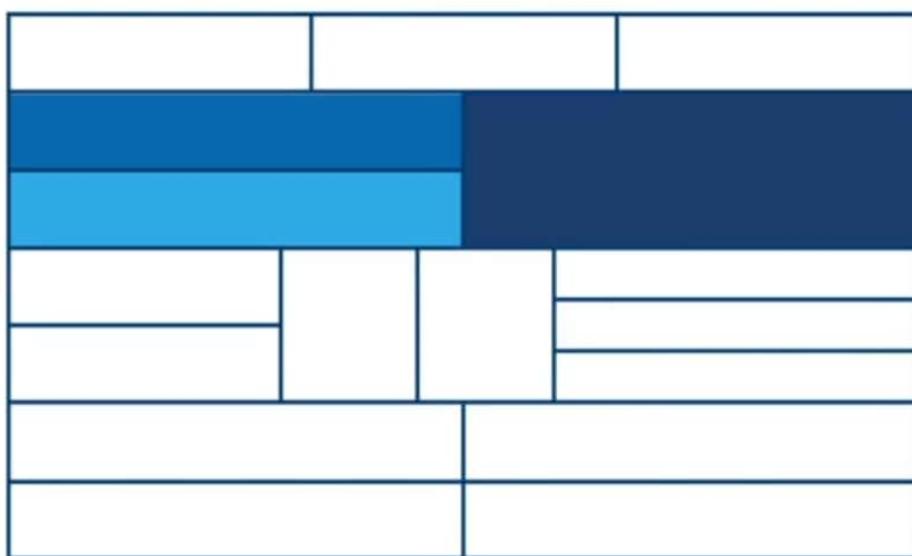
HTML code



```
File Edit Selection View Go Run Terminal Help sample.html - Module 5 Assignment  
sample.html # style.css <html> Untitled-1  
C:\xampp\htdocs\sample.html> html> body> div.row  
1 <html>  
2   <head>  
3     <link rel="stylesheet" href="css/style.css"/>  
4   </head>  
5   <body>  
6     <div class="row">  
7       <div class="col"></div>  
8       <div class="col"></div>  
9       <div class="col"></div>  
10      </div>  
11      <div class="row">  
12        </div>  
13      </div>  
14      <div class="row">  
15        </div>  
16      </div>  
17      <div class="row">  
18        </div>  
19      </div>  
20      <div class="row">  
21        </div>  
22      </div>  
23    </body>  
24  </html>  
25  
26  
27  
28
```

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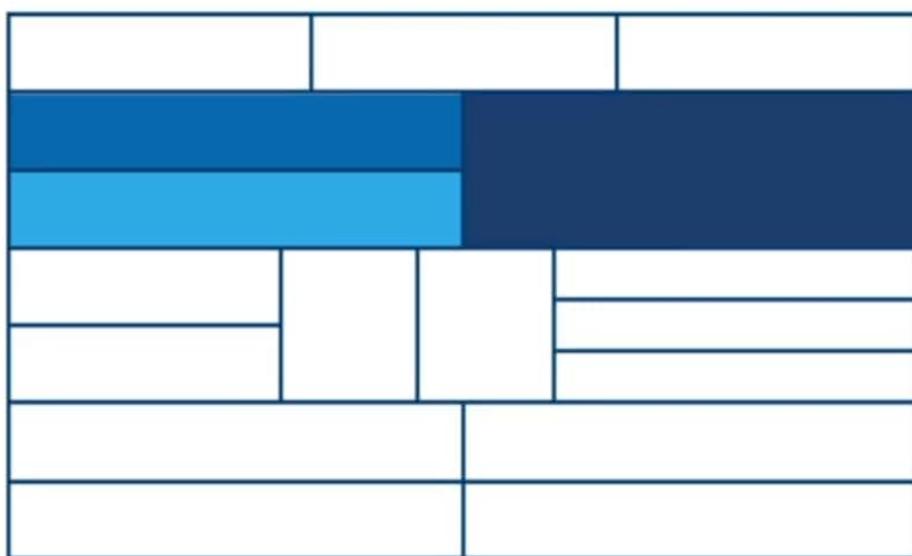
HTML code



```
File Edit Selection View Go Run Terminal Help • sample.html - Module 5 Assignment 1
sample.html # style.css <html> Untitled-1
C:\xampp\htdocs\sample.html > html > body
1 <html>
2   <head>
3     <link rel="stylesheet" href="css/style.css"/>
4   </head>
5   <body>
6     <div class="row">
7       <div class="col"></div>
8       <div class="col"></div>
9       <div class="col"></div>
10    </div>
11
12    <div class="row">
13      <div class="col2"></div>
14      <div class="col2"></div>
15    </div>
16
17    <div class="row">
18
19    </div>
20    <div class="row">
21
22    </div>
23    <div class="row">
24
25    </div>
26
27  </body>
28 </html>
```

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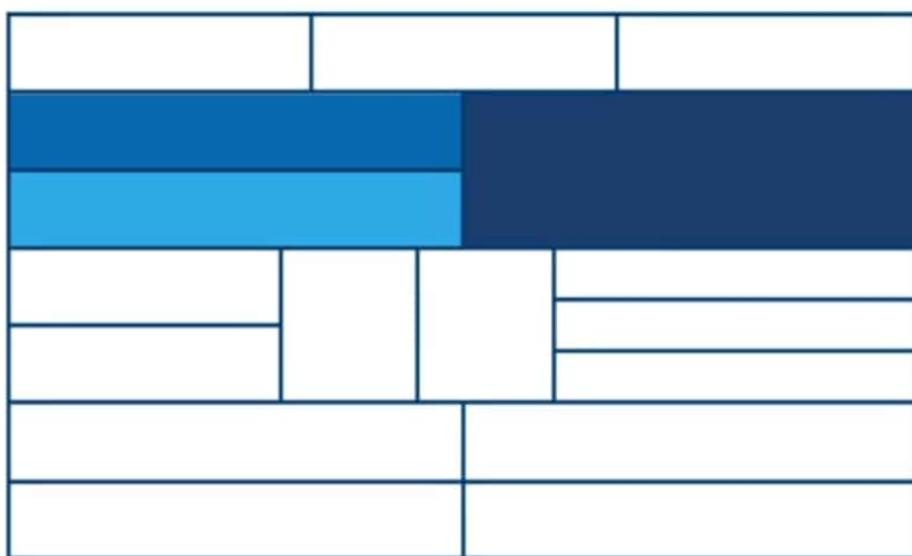
HTML code



```
sample.html # style.css <html> Untitled-1
C: > xampp > htdocs > css > # style.css > ...
1 * {
2   box-sizing: border-box;
3 }
4 .row {
5   border: solid 1px red;
6   height: 150px;
7   font-size: 0px;
8 }
9 .col {
10  border: solid 2px black;
11  display: inline-block;
12  height: 100%;
13  width: 33.33%;
14 }
15 .col2 {
16  border: solid 2px black;
17  display: inline-block;
18  height: 100%;
19  width: 50%;
20 }
21 }
```

Internshala Trainings

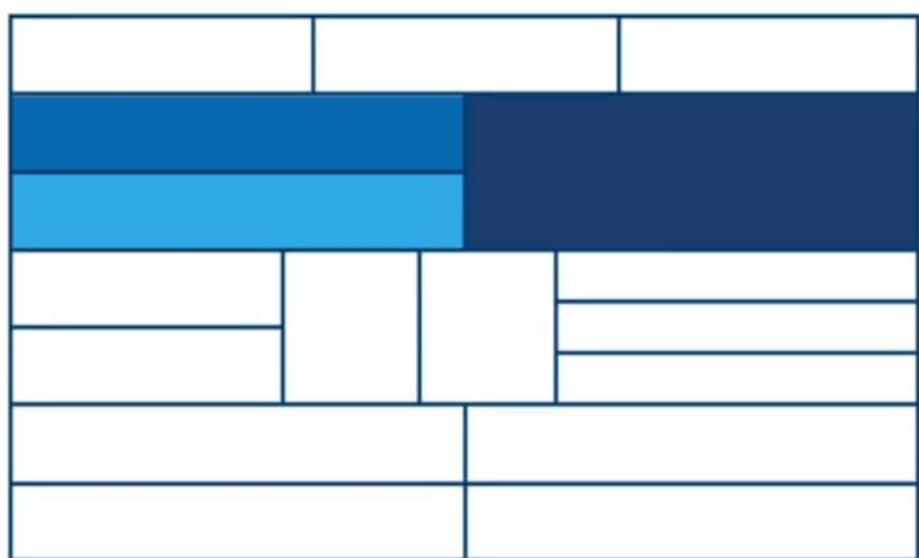
HTML code



```
File Edit Selection View Go Run Terminal Help • sample.html - Module 5 Assignment  
sample.html # style.css <html> Untitled-1  
C:\xampp\htdocs\sample.html <html> <body> <div> class="row" <div> class="col" </div> <div> class="col" </div> <div> class="col" </div> </div>  
1 <html>  
2 <head>  
3 <link rel="stylesheet" href="css/style.css"/>  
4 </head>  
5 <body>  
6 <div class="row">  
7 <div class="col"></div>  
8 <div class="col"></div>  
9 <div class="col"></div>  
10 </div>  
11  
12 <div class="row">  
13 <div class="col2">  
14 <div class="row2"></div>  
15 <div class="row"></div>  
16 <div class="col2"><abc row2></div>  
17 </div>  
18 <div class="row">  
19 </div>  
20 <div class="row">  
21 </div>  
22 <div class="row">  
23 </div>  
24 <div class="row">  
25 </div>  
26 <div class="row">  
27 </div>  
28 </div>
```

Internshala Trainings

HTML code



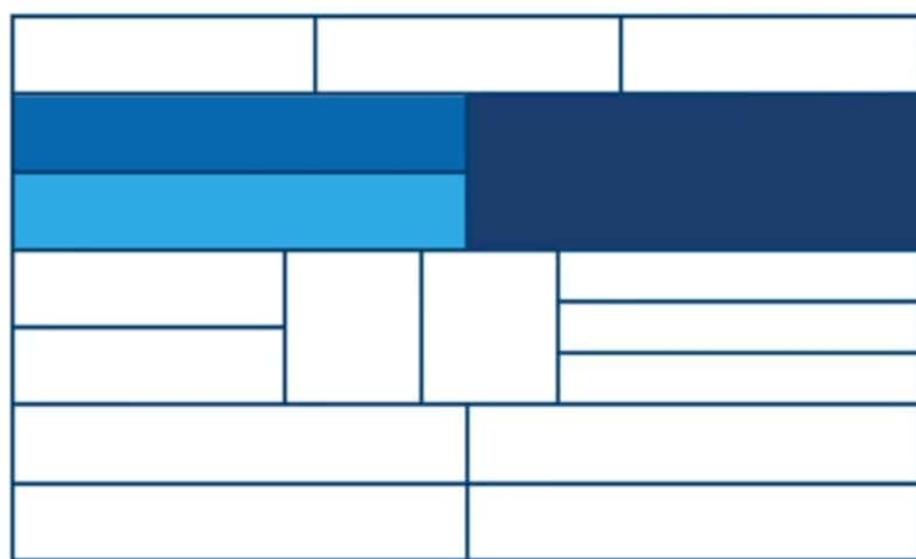
File Edit Selection View Go Run Terminal Help * style.css - Module 5 Assignment

sample.html # style.css ● <html> Untitled-1 ●

```
C: > xampp > htdocs > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .row {
5    border: solid 1px red;
6    height: 150px;
7    font-size: 0px;
8  }
9  .col {
10   border: solid 2px black;
11   display: inline-block;
12   height: 100%;
13   width: 33.33%;
14 }
15 .col2 {
16   border: solid 2px black;
17   display: inline-block;
18   height: 100%;
19   width: 50%;
20 }
21 .row2 {
22   border: solid 2px blue;
23   height: 50%;
```

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HTML code

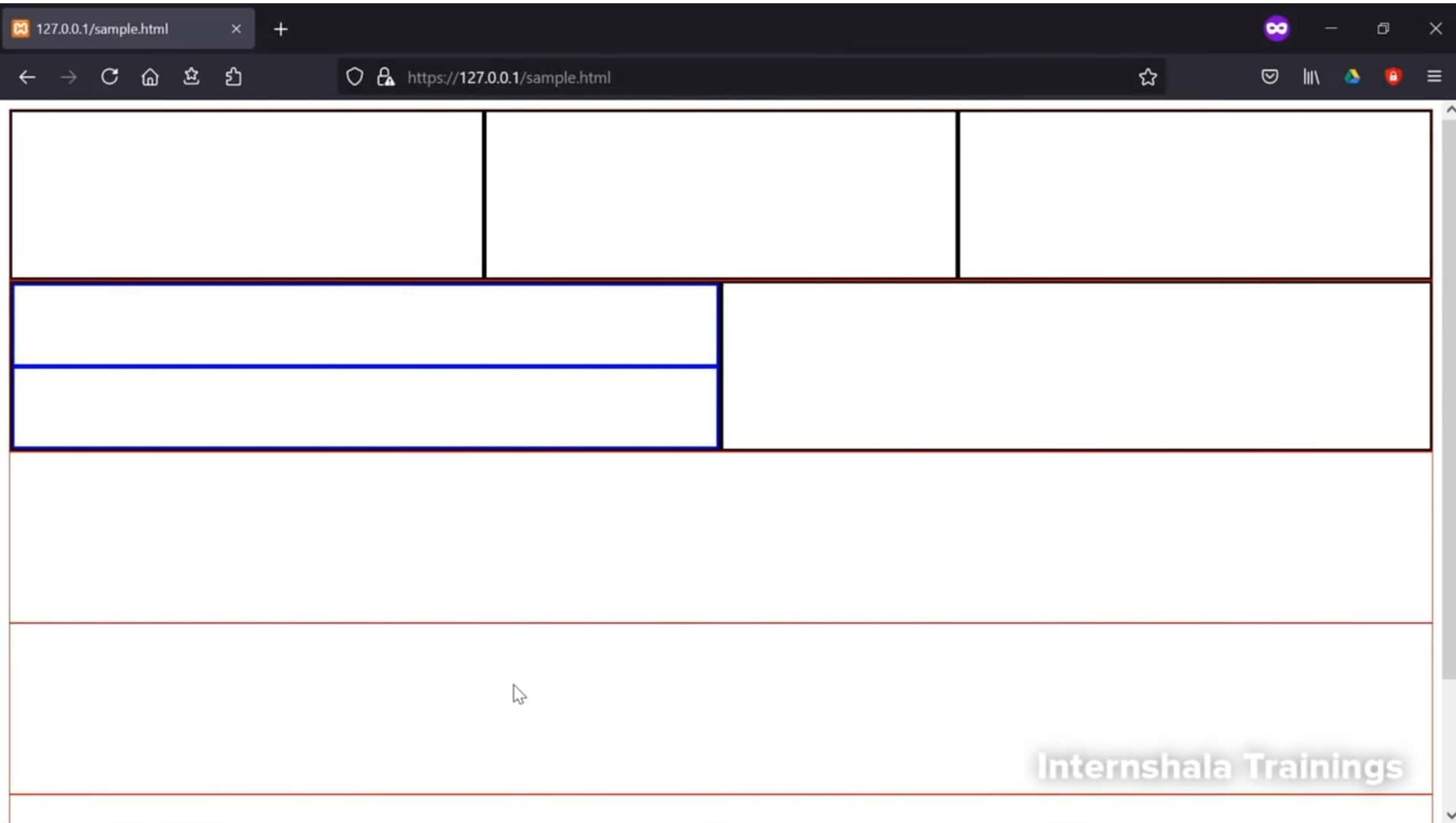


File Edit Selection View Go Run Terminal Help * style.css - Module 5 Assignment

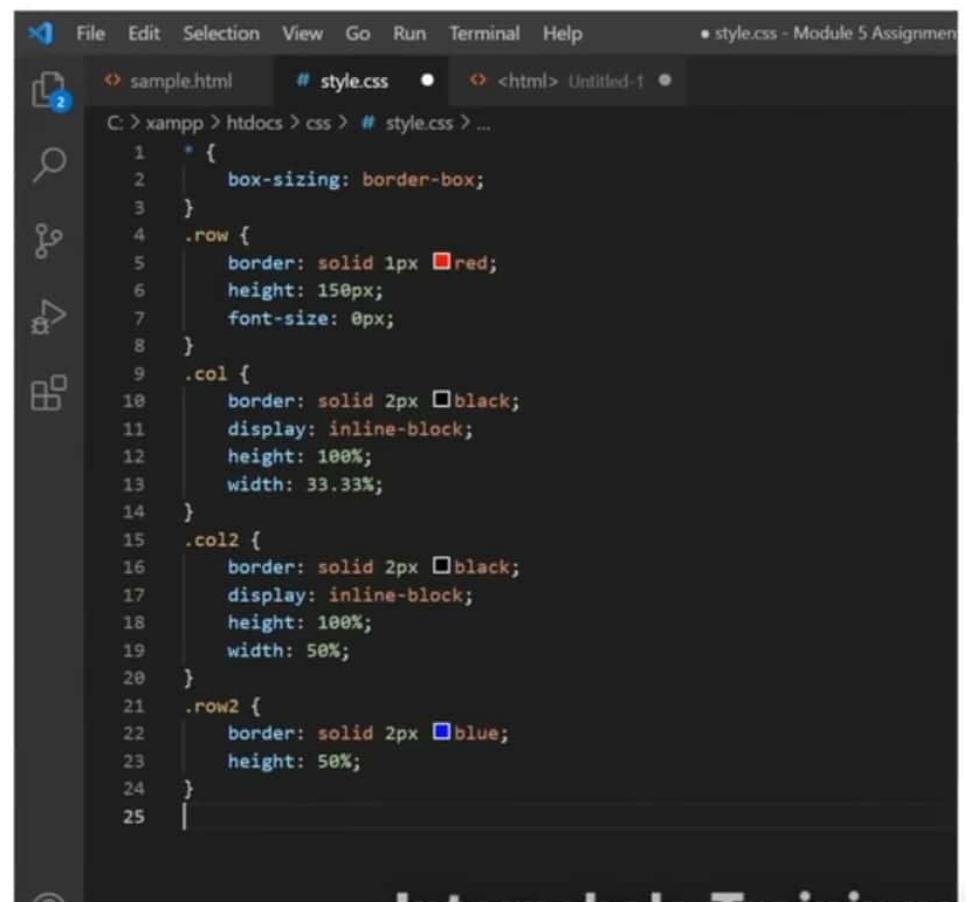
sample.html # style.css ● <html> Untitled-1 ●

```
C: > xampp > htdocs > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .row {
5    border: solid 1px red;
6    height: 150px;
7    font-size: 0px;
8  }
9  .col {
10   border: solid 2px black;
11   display: inline-block;
12   height: 100%;
13   width: 33.33%;
14 }
15 .col2 {
16   border: solid 2px black;
17   display: inline-block;
18   height: 100%;
19   width: 50%;
20 }
21 .row2 {
22   border: solid 2px blue;
23   height: 50%;
24 }
```

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HTML code

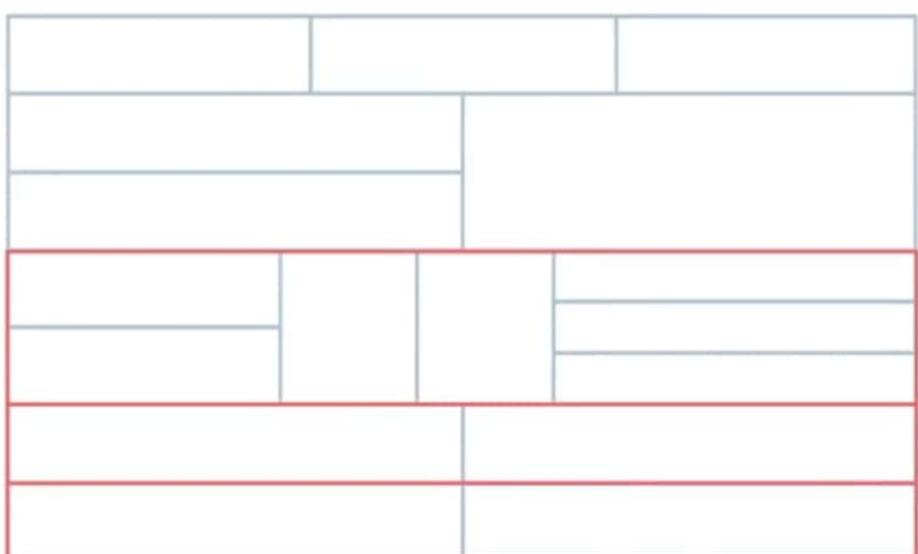


The screenshot shows a code editor interface with two tabs: "sample.html" and "style.css". The "style.css" tab is active, displaying the following CSS code:

```
C: > xampp > htdocs > css > # style.css > ...
1 * {
2   box-sizing: border-box;
3 }
4 .row {
5   border: solid 1px red;
6   height: 150px;
7   font-size: 0px;
8 }
9 .col {
10  border: solid 2px black;
11  display: inline-block;
12  height: 100%;
13  width: 33.33%;
14 }
15 .col2 {
16  border: solid 2px black;
17  display: inline-block;
18  height: 100%;
19  width: 50%;
20 }
21 .row2 {
22  border: solid 2px blue;
23  height: 50%;
```

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HTML code



```
File Edit Selection View Go Run Terminal Help • style.css - Module 5 Assignment  
sample.html # style.css ● <html> Untitled-1 ●  
C: > xampp > htdocs > css > # style.css > ...  
1 * {  
2   box-sizing: border-box;  
3 }  
4 .row {  
5   border: solid 1px red;  
6   height: 150px;  
7   font-size: 0px;  
8 }  
9 .col {  
10  border: solid 2px black;  
11  display: inline-block;  
12  height: 100%;  
13  width: 33.33%;  
14 }  
15 .col2 {  
16  border: solid 2px black;  
17  display: inline-block;  
18  height: 100%;  
19  width: 50%;  
20 }  
21 .row2 {  
22  border: solid 2px blue;  
23  height: 50%;  
24 }  
25 |
```

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1. Within a container, select either horizontal boxes or vertical boxes that sit next to each other. We will never select both of them at any given time.
2. Use a <div> element to represent a box inside the container.
3. Change the default display property value of horizontal boxes to inline-block.
4. Repeat the steps 1, 2, and 3 for all the boxes inside the main container.

Module 2 > Topic 9 > Video 3

Structuring a Web Page Using inline:float



Internshala Trainings

Learning objectives

- Explain the float CSS property.
- Create a wireframe using the float CSS property.

display:inline-block

Element 1

Element 2

Element 3

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```
* {  
    box-sizing : border-box;  
}
```

⌚ **float**

- It places an element either on the left or right side of its container and allows the text and other elements to wrap around it.
- It has 3 values: left, right, and none.
- The default value of float for any element is none.

```
sample.html X # style.css <link rel="stylesheet" href="css/style.c Untitled-1 ● <html> Untitled-2 ●  
C: > xampp > htdocs > project > sample.html > ...  
1  <html>  
2   <head>  
3     <title> Structuring a Web Page </title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <div class='container'>  
8       <div class="abc">This is the floated division.</div>  
9       <p>  
10      | Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut id nisi fringilla, fermentum ligula ac, commodo sem. Sed molestie feugiat justo nec malesuada.  
11      |</p>  
12    </div>  
13  </body>  
14</html>  
15
```

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title> Structuring a Web Page </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class='container'>
8        <div class="abc">This is the floated division.</div>
9        <p>
10          |   Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut id nisi fringilla, fermentum ligula ac, commodo sem. Sed molestie feugiat justo nec malesuada.
11        </p>
12      </div>
13    </body>
14  </html>
15
```

sample.html

style.css X

<link rel="stylesheet" href="css/style.c Untitled-1 ●

<html> Untitled-2 ●

C: > xampp > htdocs > project > css > # style.css > ...

```
1 .container {  
2     border: solid 1px black;  
3 }  
4 .abc {  
5     float: right;  
6     border: solid 3px red;  
7     height: 50px;  
8     width: 200px;  
9 }  
10
```

sample.html

style.css X

<link rel="stylesheet" href="css/style.c Untitled-1 ●

<html> Untitled-2 ●

C: > xampp > htdocs > project > css > # style.css > ...

```
1 .container {  
2     border: solid 1px □black;  
3 }  
4 .abc {  
5     float: right;  
6     border: solid 3px □red;  
7     height: 50px;  
8     width: 200px;  
9 }  
10
```



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C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title> Structuring a Web Page </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class='container'>
8        <div class="abc">This is the floated division.</div>
9        <div class="second">This is the second division.</div>
10       <div class="third">This is the third division.</div>
11       <p>
12         |   Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut id nisi fringilla, fermentum ligula ac, commodo sem. Sed molestie feugiat justo nec malesuada.
13       </p>
14     </div>
15   </body>
16 </html>
```

```
sample.html X # style.css <link rel="stylesheet" href="css/style.c Untitled-1 ● <html> Untitled-2 ●  
C: > xampp > htdocs > project > sample.html > ...  
1  <html>  
2   <head>  
3     <title> structuring a Web Page </title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <div class='container'>  
8       <div class="abc">This is the floated division.</div>  
9       <div class="second">This is the second division.</div>  
10      <div class="third">This is the third division.</div>  
11      <p>  
12        | Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut id nisi fringilla, fermentum ligula ac, commodo sem. Sed molestie feugiat justo nec malesuada.  
13      </p>  
14    </div>  
15  </body>  
16 </html>  
17
```

sample.html # style.css <html> Untitled-1

```
C: > xampp > htdocs > css > # style.css > .second
1   .container {
2     border: solid 1px black;
3   }
4   .container > div {
5     height: 50px;
6     width: 200px;
7   }
8   .first {
9     float: left;
10    border: solid 3px red;
11  }
12  .second {
13    float: right;
14    border: solid 3px blue;
15  }
16  .third {
17    float: left;
18    border: solid 3px pink;
19 }
```

sample.html # style.css <html> Untitled-1

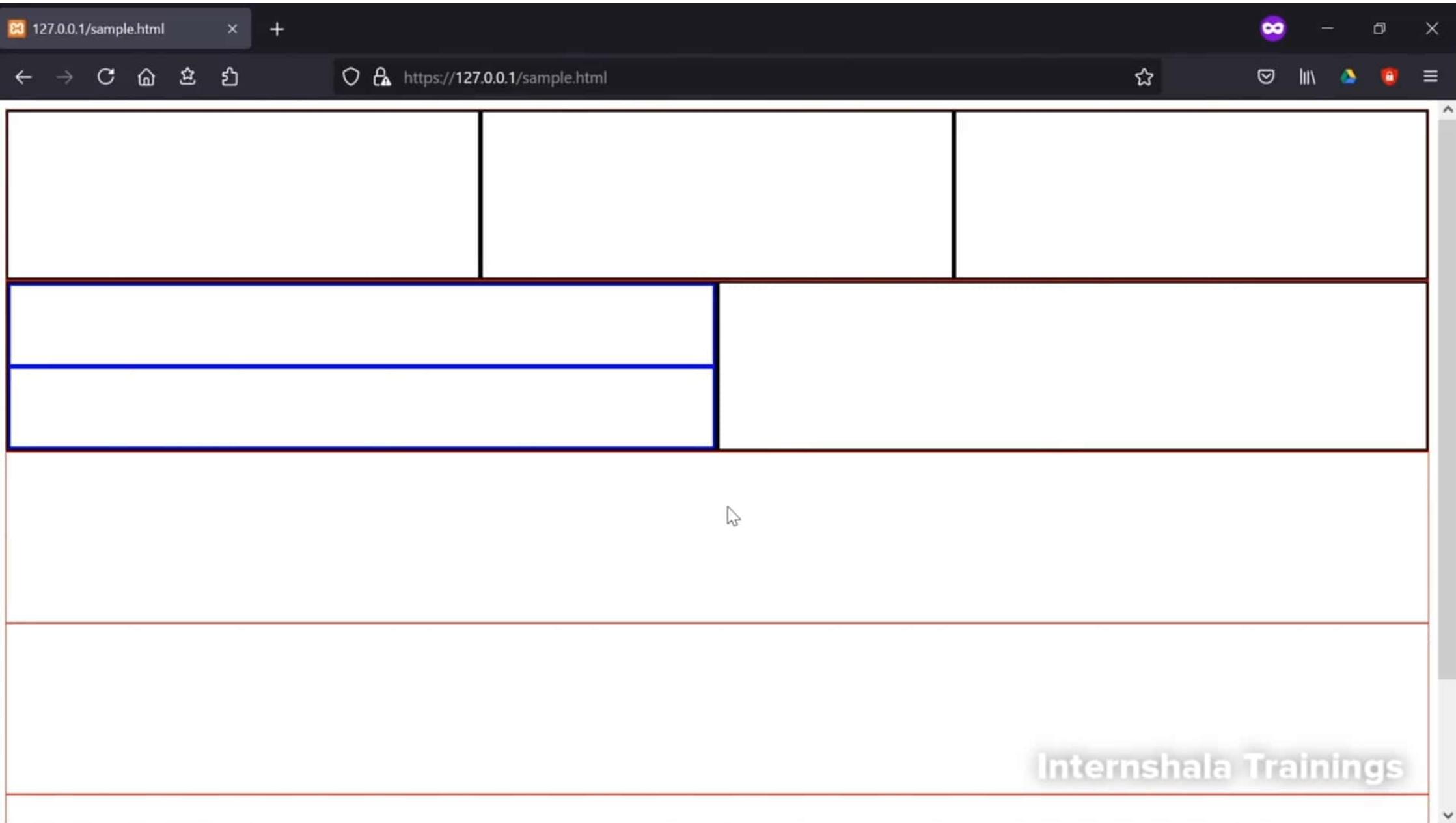
C: > xampp > htdocs > css > # style.css > .second

```
1  .container {  
2      border: solid 1px black;  
3  }  
4  .container > div {  
5      height: 50px;  
6      width: 200px;  
7  }  
8  .first {  
9      float: left;  
10     border: solid 3px red;  
11  }  
12  .second {  
13      float: right;  
14     border: solid 3px blue;  
15  }  
16  .third {  
17      float: left;  
18     border: solid 3px pink;  
19  }  
20
```


- **Creating a wireframe using float:-**
- The approach is similar to display:inline-block.
- We will use float:left instead of display:inline-block.

sample.html # style.css <html> Untitled-1

```
C:\xampp\htdocs\css\# style.css > ...
1 * {
2     box-sizing: border-box;
3 }
4 .row {
5     border: solid 1px red;
6     height: 150px;
7     font-size: 0px;
8 }
9 .col {
10    border: solid 2px black;
11    float: left;
12    height: 100%;
13    width: 33.33%;
14 }
15 .col2 {
16    border: solid 2px black;
17    float: left;
18    height: 100%;
19    width: 50%;
20 }
21 .row2 {
22    border: solid 2px blue;
23    height: 50%;
24 }
25
```



sample.html # style.css <html> Untitled-1

```
C: > xampp > htdocs > css > # style.css > .row
1  * {
2      box-sizing: border-box;
3  }
4  .row {
5      border: solid 1px red;
6      height: 150px;
7      font-size: 0px;
8  }
9  .col {
10     border: solid 2px black;
11     float: left;
12     height: 100%;
13     width: 33.33%;
14 }
15 .col2 {
16     border: solid 2px black;
17     float: left;
18     height: 100%;
19     width: 50%;
20 }
21 .row2 {
22     border: solid 2px blue;
23     height: 50%;
24 }
25 }
```

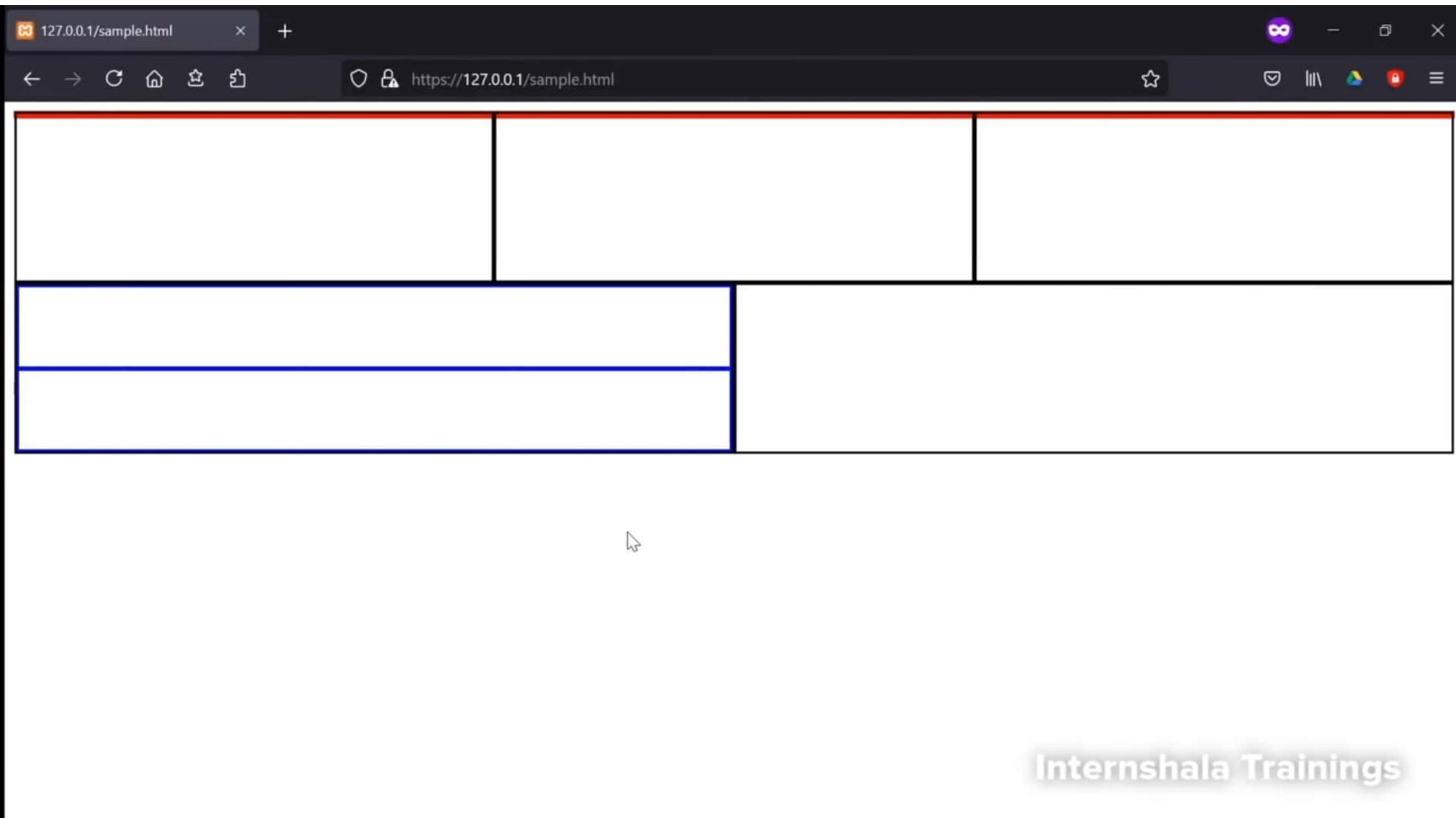
sample.html # style.css <html> Untitled-1

C: > xampp > htdocs > css > # style.css > .row

```
1  * {  
2      box-sizing: border-box;  
3  }  
4  .row {  
5      border: solid 1px red;  
6      height: 150px;  
7      font-size: 0px;  
8  }  
9  .col {  
10     border: solid 2px black;  
11     float: left;  
12     height: 100%;  
13     width: 33.33%;  
14  }  
15 .col2 {  
16     border: solid 2px black;  
17     float: left;  
18     height: 100%;  
19     width: 50%;  
20  }  
21 .row2 {  
22     border: solid 2px blue;  
23     height: 50%;  
24  }  
25 
```

sample.html # style.css <html> Untitled-1

```
C: > xampp > htdocs > css > # style.css > ...
1  * {
2      box-sizing: border-box;
3  }
4  .row {
5      border: solid 1px red;
6  }
7  .col {
8      border: solid 2px black;
9      float: left;
10     height: 150px;
11     width: 33.33%;
12 }
13 .col2 {
14     border: solid 2px black;
15     float: left;
16     height: 150px;
17     width: 50%;
18 }
19 .row2 {
20     border: solid 2px blue;
21     height: 50%;
22 }
```



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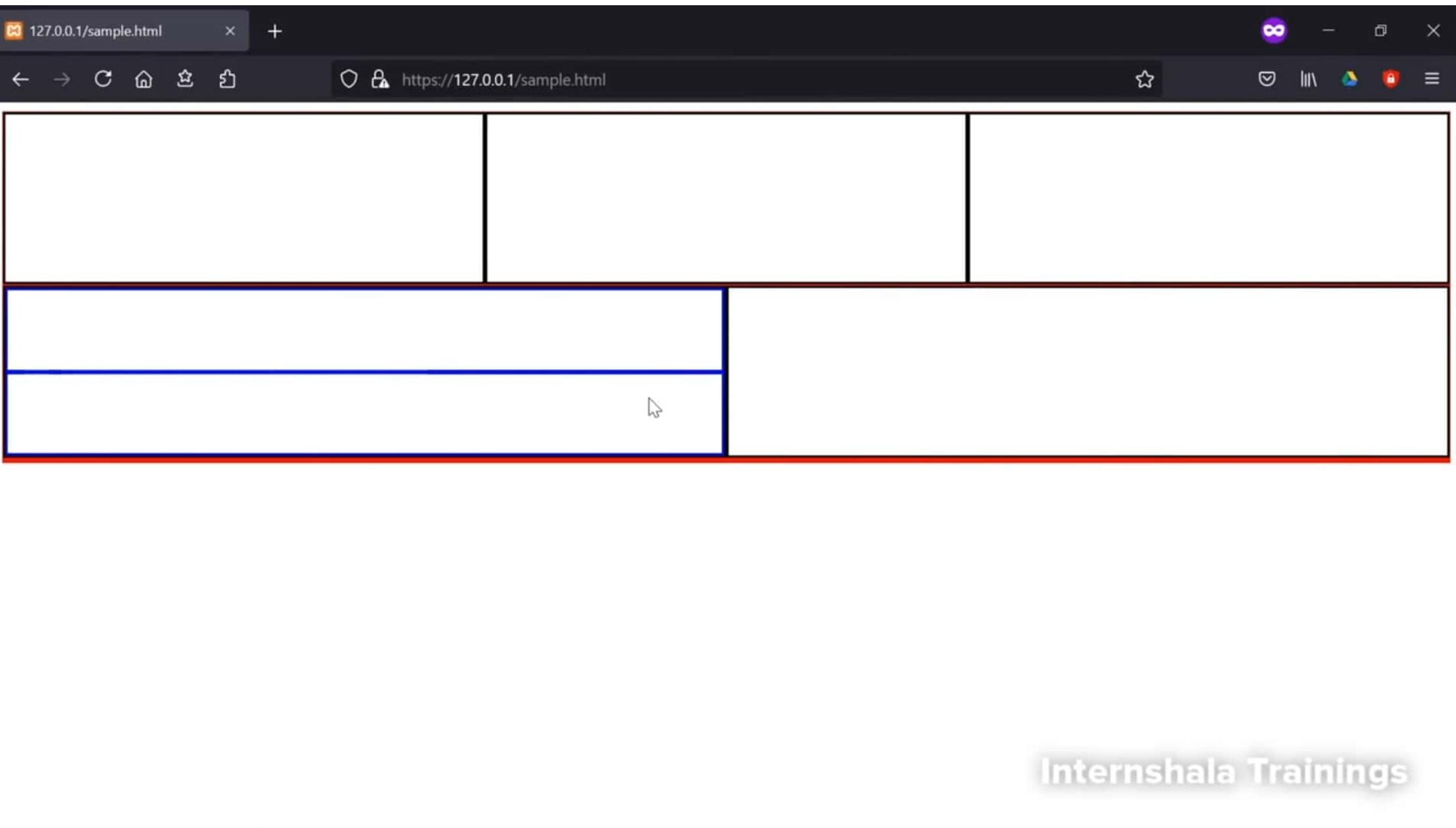
sample.html # style.css <html> Untitled-1

```
C: > xampp > htdocs > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .row {
5    border: solid 1px red;
6  }
7  .col {
8    border: solid 2px black;
9    float: left;
10   height: 150px;
11   width: 33.33%;
12 }
13 .col2 {
14   border: solid 2px black;
15   float: left;
16   height: 150px;
17   width: 50%;
18 }
19 .row2 {
20   border: solid 2px blue;
21   height: 50%;
22 }
```

sample.html # style.css <html> Untitled-1

C: > xampp > htdocs > css > # style.css > ...

```
1  * {  
2      box-sizing: border-box;  
3  }  
4  .row {  
5      border: solid 1px red;  
6  }  
7  .row::after {  
8      content: "";  
9      display: block;  
10     clear: both;  
11  }  
12 .col {  
13     border: solid 2px black;  
14     float: left;  
15     height: 150px;  
16     width: 33.33%;  
17  }  
18 .col2 {  
19     border: solid 2px black;  
20     float: left;  
21     height: 150px;  
22     width: 50%;  
23  }  
24 .row2 {  
25     border: solid 2px blue;  
26     height: 50%;  
27 }
```



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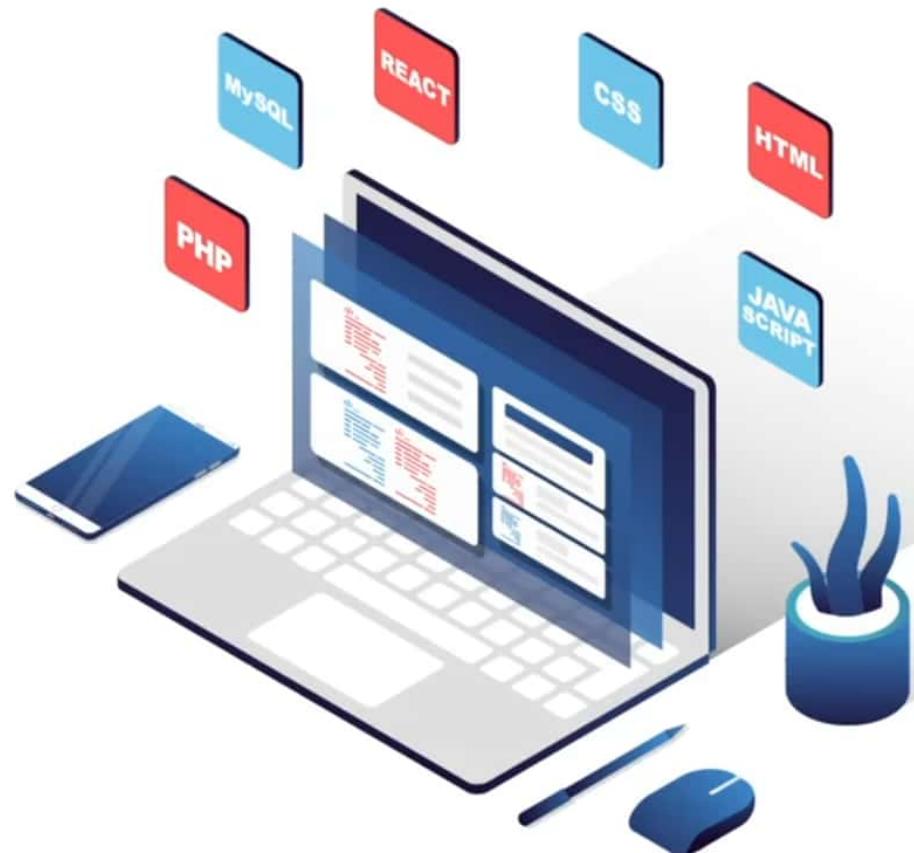


Different ways to create a wireframe:-

1. display:inline-block
2. float
3. flexbox

Module 2 > Topic 10 > Video 1

Introduction to Flexbox



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Learning objectives

- Explain flexbox.
- Apply display: flex property value to any HTML code to create a flexbox.
- Explain flex-direction property and the values associated with it.

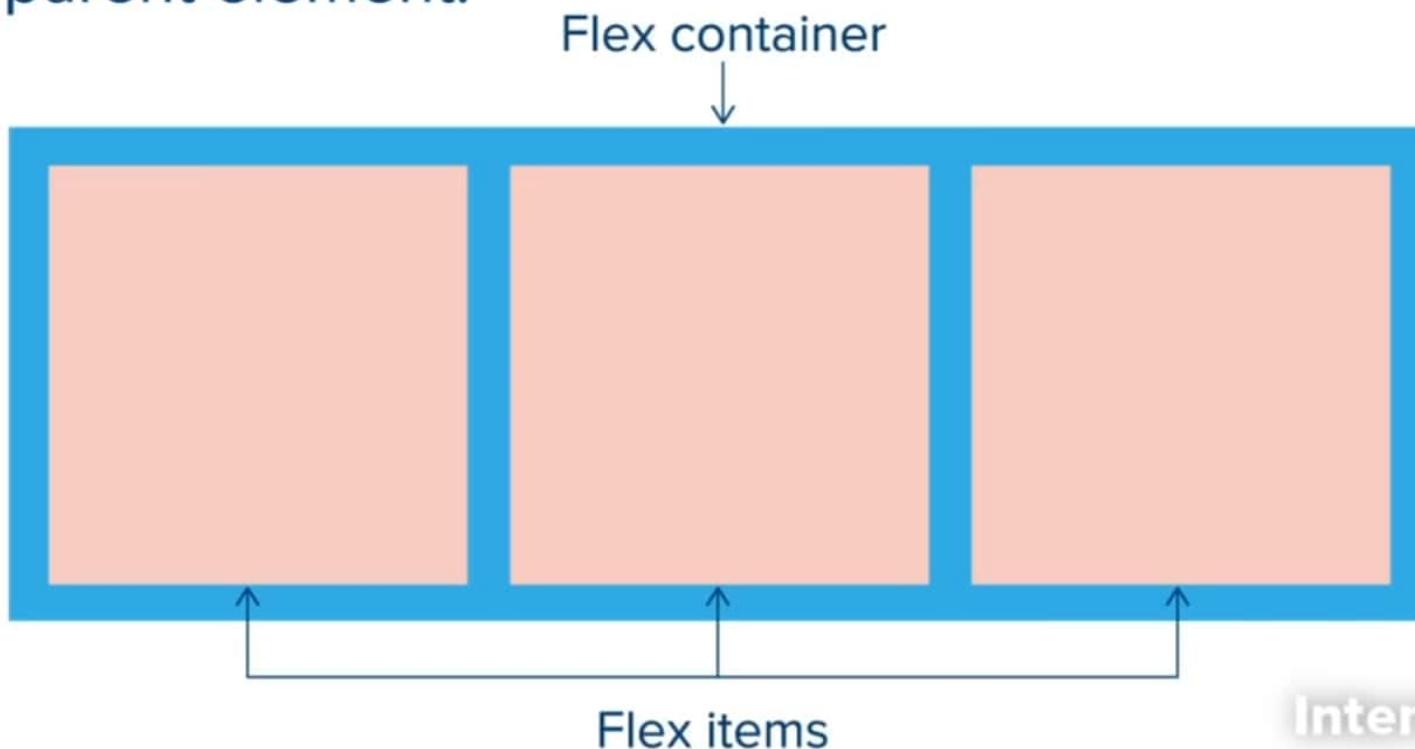


Different ways to create a wireframe:-

1. display:inline-block
2. float
3. flexbox

⌚ Flexbox

It deals with the alignment of elements inside a parent element.



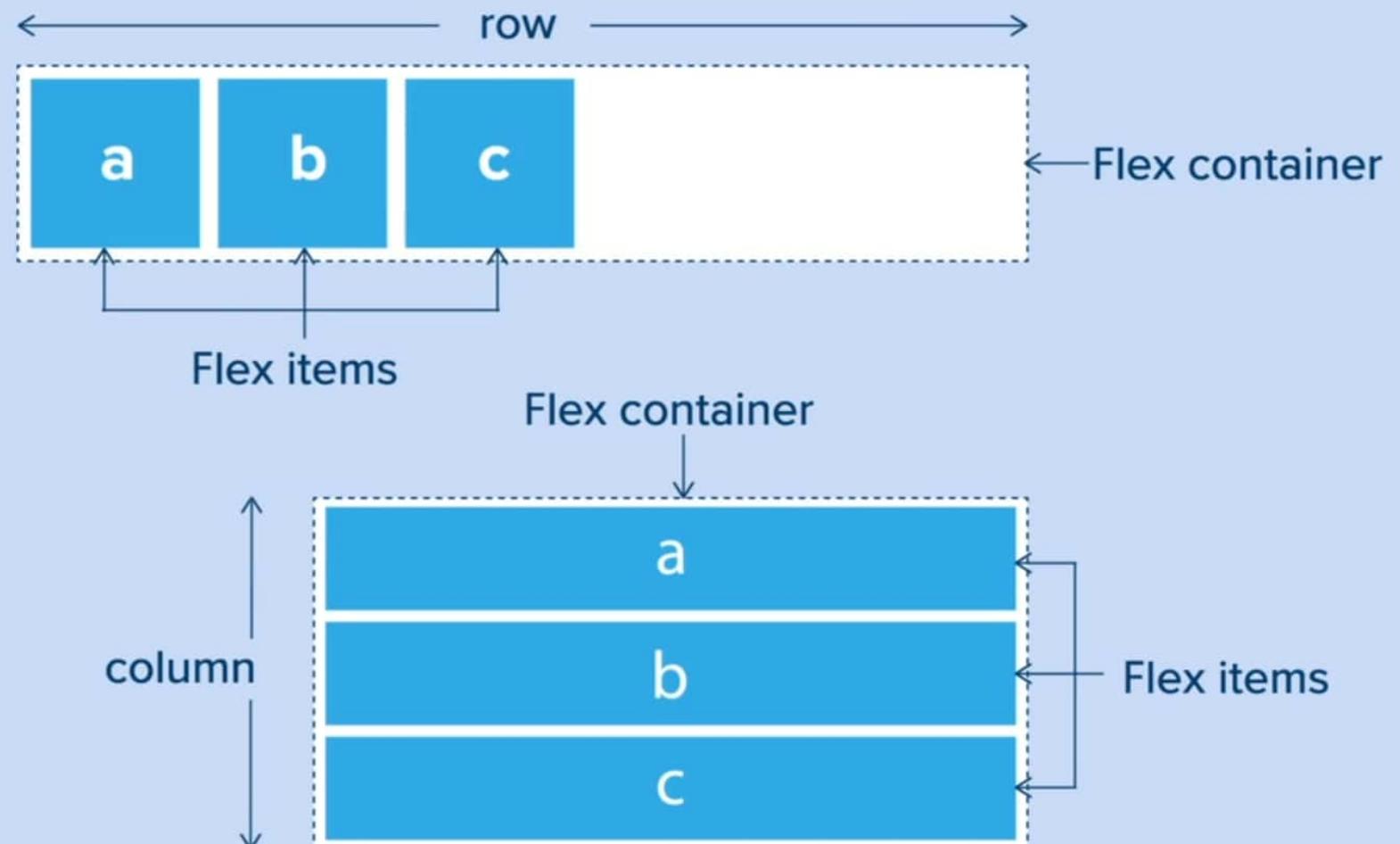
display: flex

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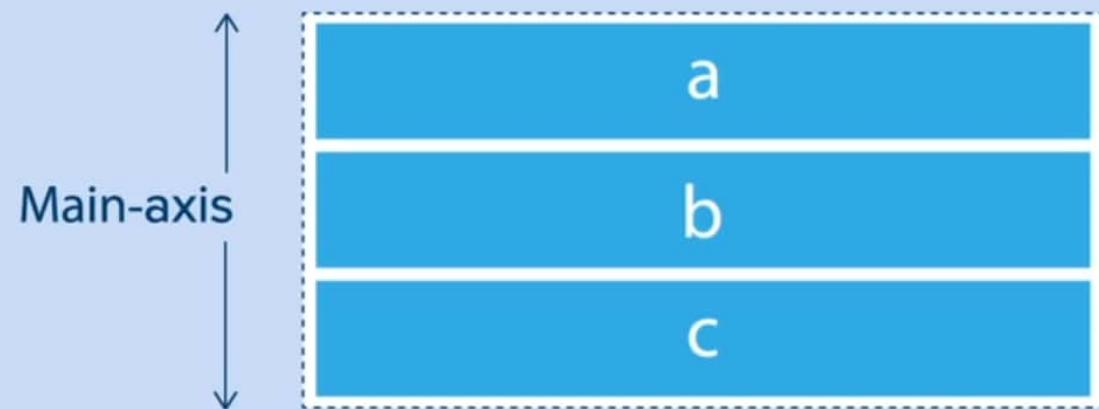
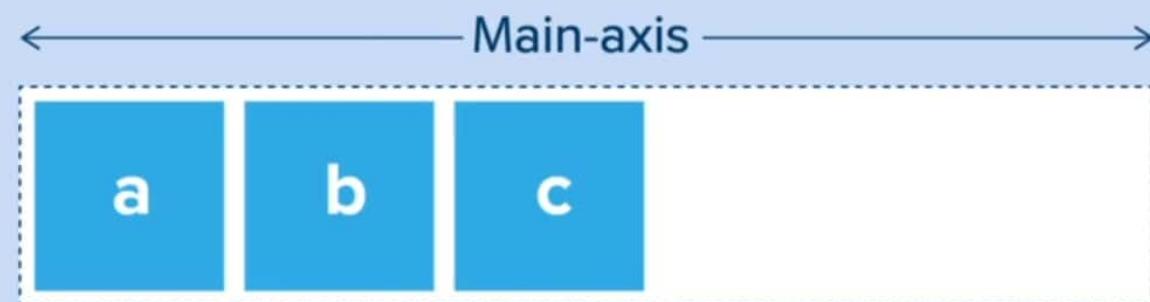


Display property values:

1. block
2. inline
3. inline-block
4. none
5. flex



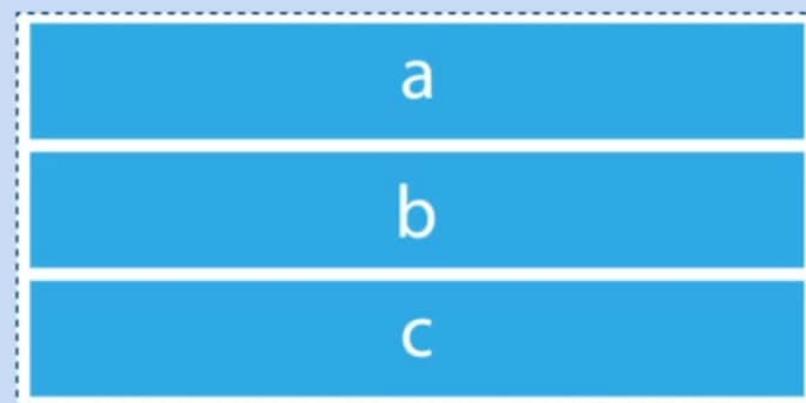
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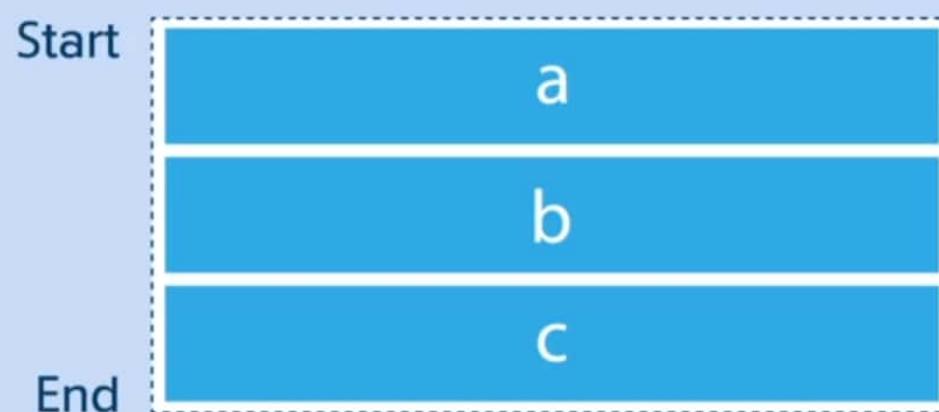
Internshala Trainings



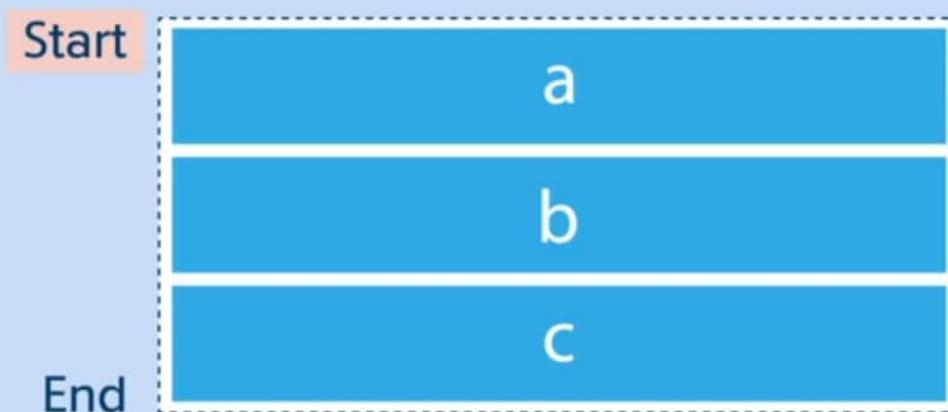
← Cross-axis →



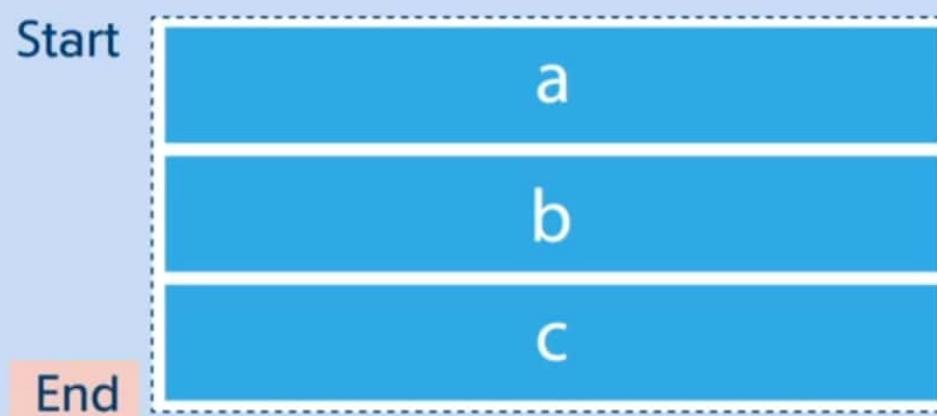
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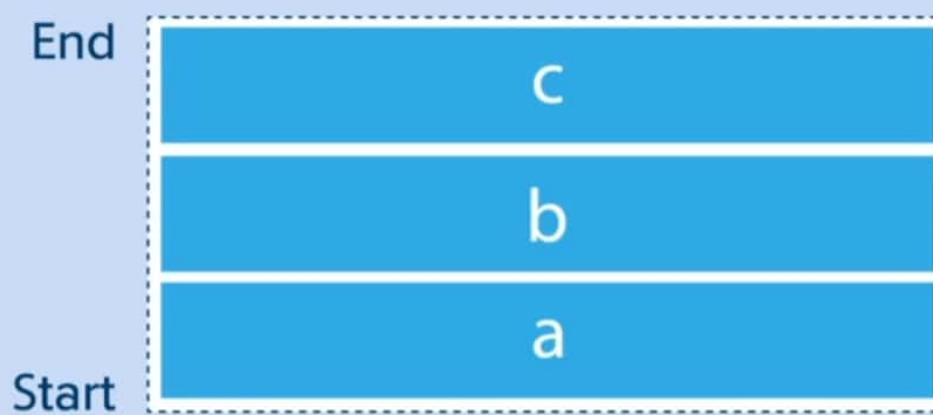
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- ⌚ How can we define the direction of flex items inside the flex container?



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flex-direction

It is used to define the direction of flex items.

① To which of the following is the flex-direction property applied to?

Option A: Parent element

Option B: Child elements

- ◉ To which of the following is the flex-direction property applied to?

Option A: Parent element



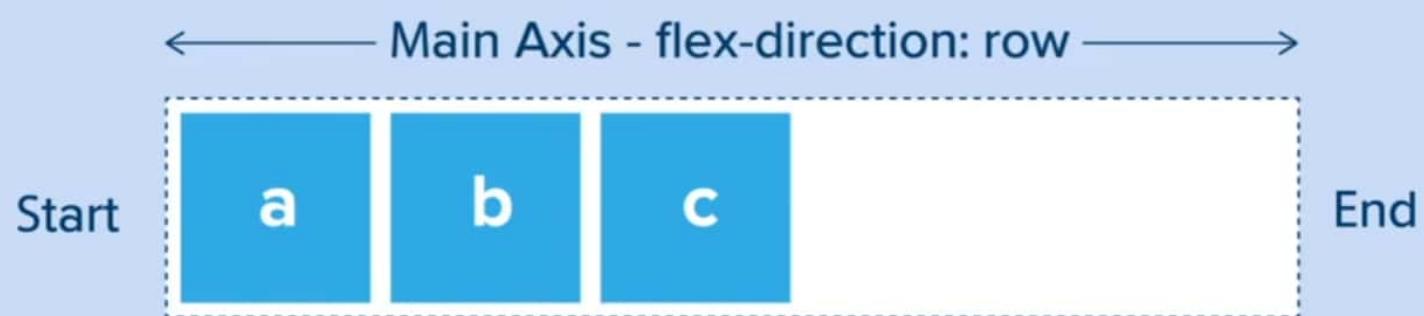
Option B: Child elements



flex-direction

It is used to define the direction of flex items.

- A. row
- B. row-reverse
- C. column
- D. column-reverse



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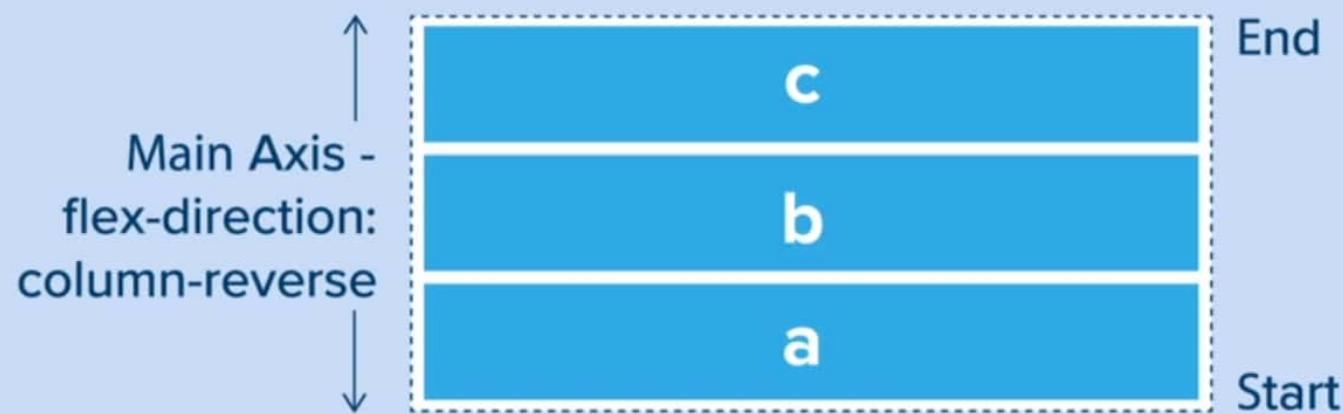
← Main Axis - flex-direction: row-reverse →



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- ◉ **flex-direction**
- The default value is 'row'.

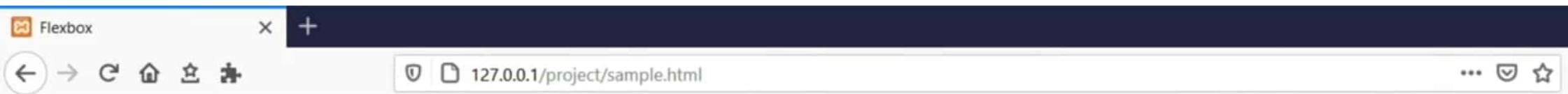
sample.html X # style.css <link rel="stylesheet" href="css/style.c Untitled-1 ●

C: > xampp > htdocs > project > sample.html > ...

```
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

The screenshot shows a Visual Studio Code interface with a dark theme. On the left, there's a sidebar with icons for file operations like new file, open file, save, and close. The main area has a tab bar with 'sample.html' (highlighted), '# style.css' (disabled), and '<link rel="stylesheet" href="css/style.css" Untitled-1'. Below the tabs is a file tree showing the project structure: C: >xampp >htdocs >project >css > # style.css > ... The code editor contains the following CSS:

```
1 .box {  
2     border: dotted 2px #rgb(96, 139, 168);  
3     width: 500px;  
4 }  
5 .box > div {  
6     border: solid 2px #rgb(96, 139, 168);  
7     border-radius: 5px;  
8 }  
9 }
```



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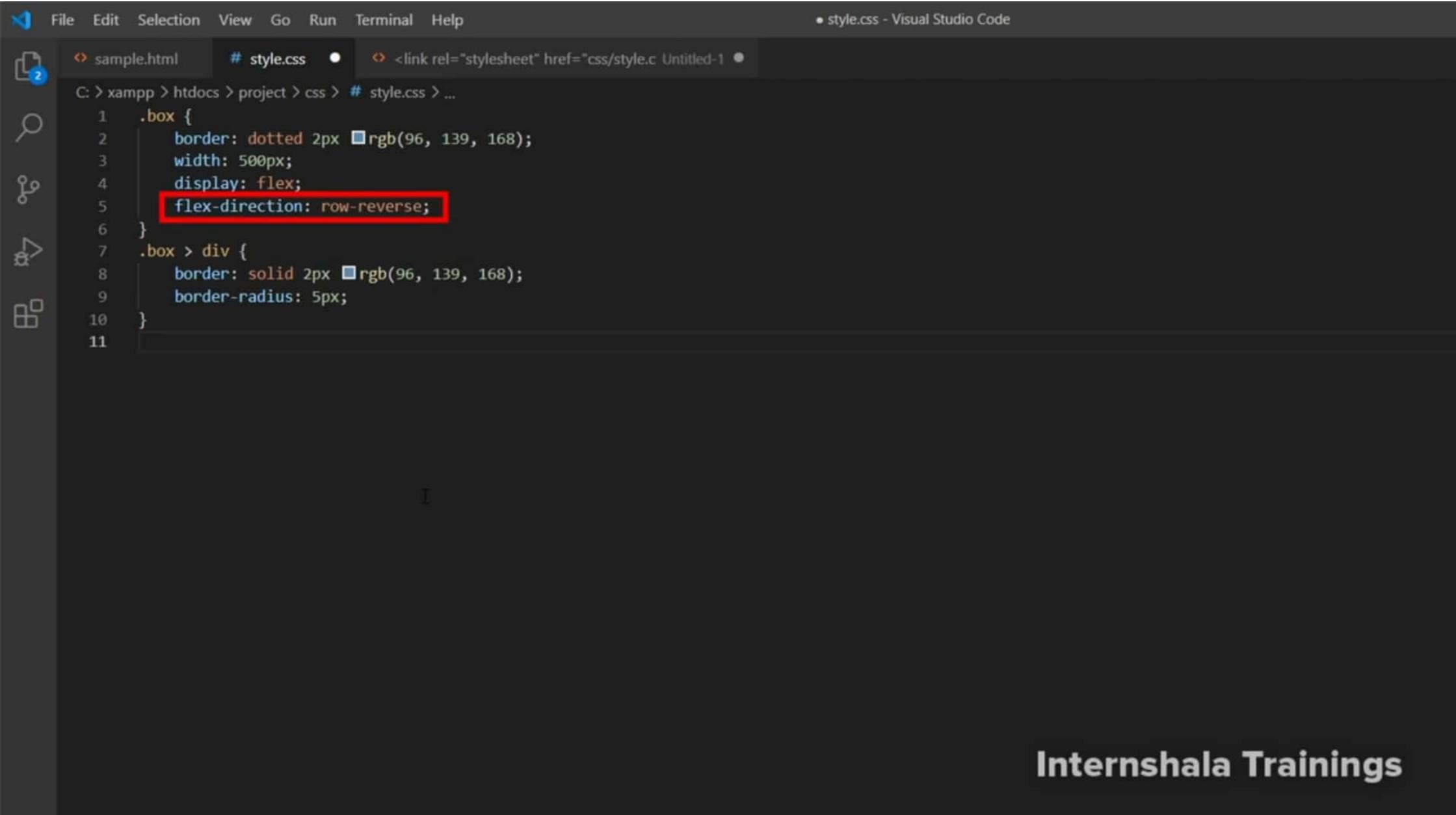
A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The status bar shows "style.css - Visual Studio Code". The left sidebar has icons for file operations like Open, Save, Find, and Refresh. There are two tabs open: "sample.html" and "# style.css". The "# style.css" tab contains the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > .box
1 .box {
2     border: dotted 2px #rgb(96, 139, 168);
3     width: 500px;
4     display: flex;
5 }
6 .box > div {
7     border: solid 2px #rgb(96, 139, 168);
8     border-radius: 5px;
9 }
10
```

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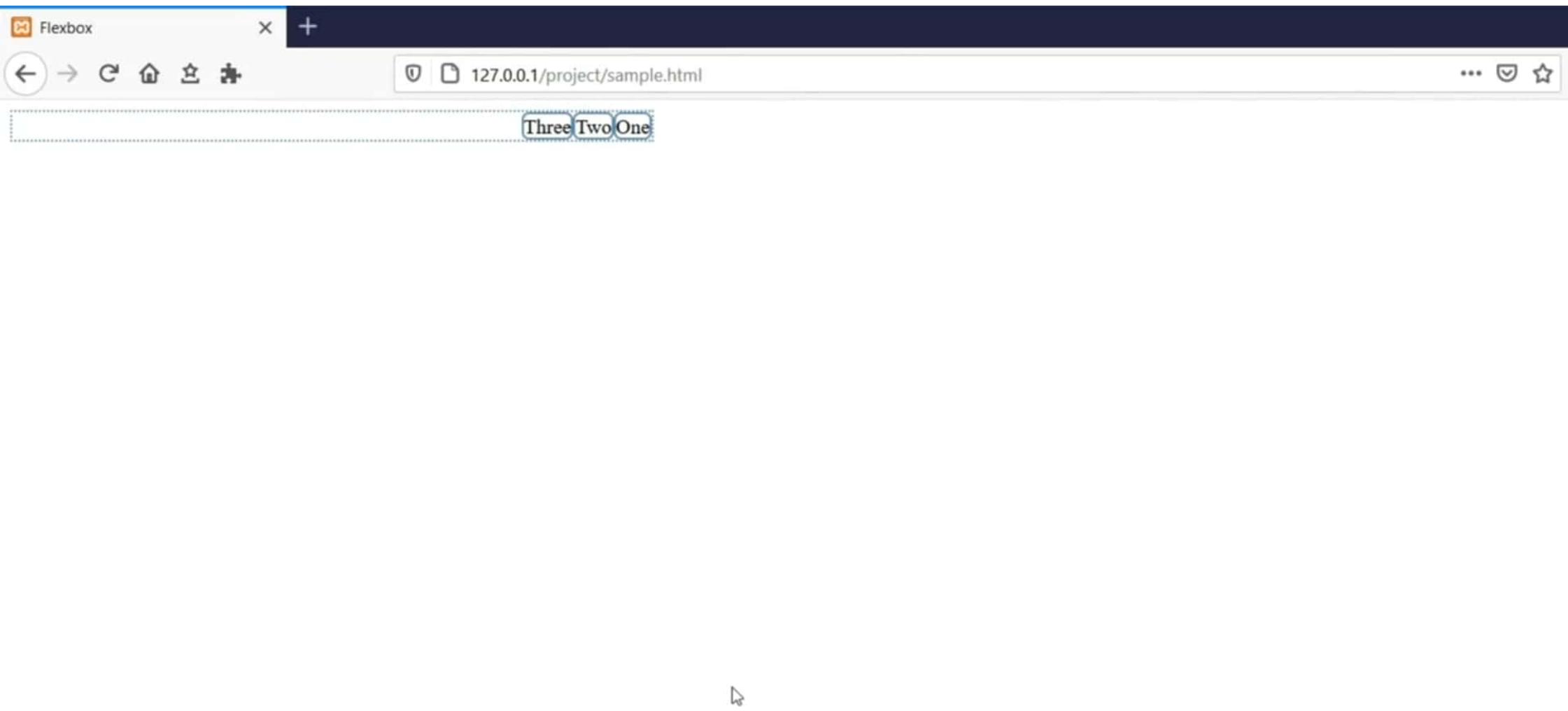


A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "style.css - Visual Studio Code". The left sidebar contains icons for file operations like Open, Save, Find, and others. There are two tabs open: "sample.html" and "# style.css". The "# style.css" tab is active and displays the following CSS code:

```
C: > xampp > htdocs > project > css > # style.css > ...
1 .box {
2     border: dotted 2px #rgb(96, 139, 168);
3     width: 500px;
4     display: flex;
5     flex-direction: row-reverse;
6 }
7 .box > div {
8     border: solid 2px #rgb(96, 139, 168);
9     border-radius: 5px;
10}
11
```

The line "flex-direction: row-reverse;" is highlighted with a red rectangular box.

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Exercise

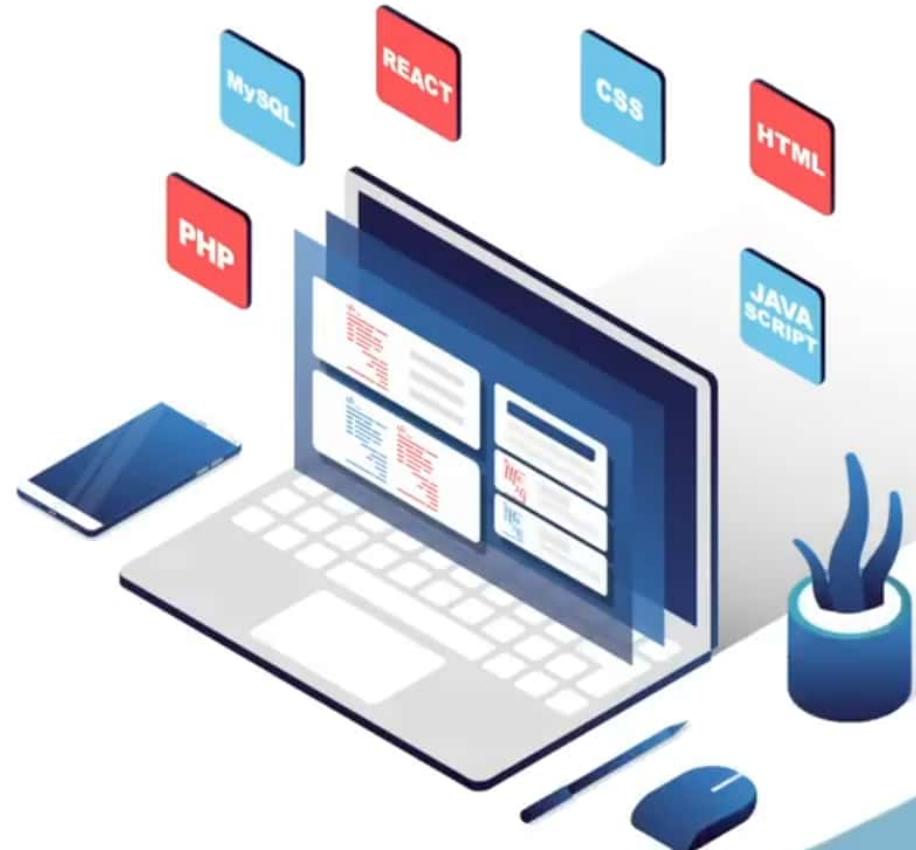
Download the given HTML code and do the following:

- Create a flexbox by changing the default display property value to flex.
- Define all the flex-direction values one by one and observe the output.

Module 2 > Topic 10 > Video 2

Properties Associated With Flexbox - Part I

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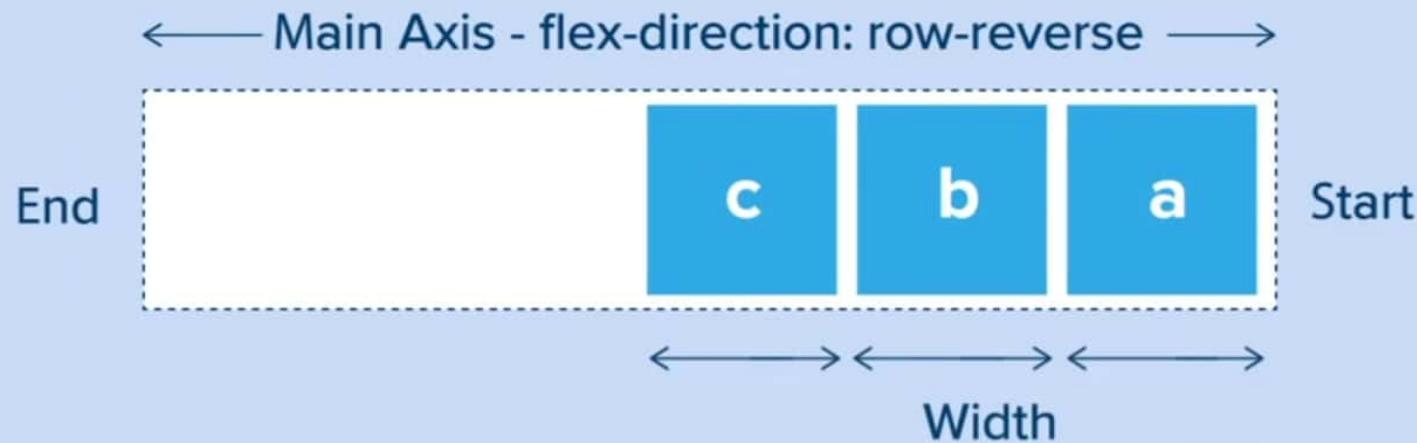
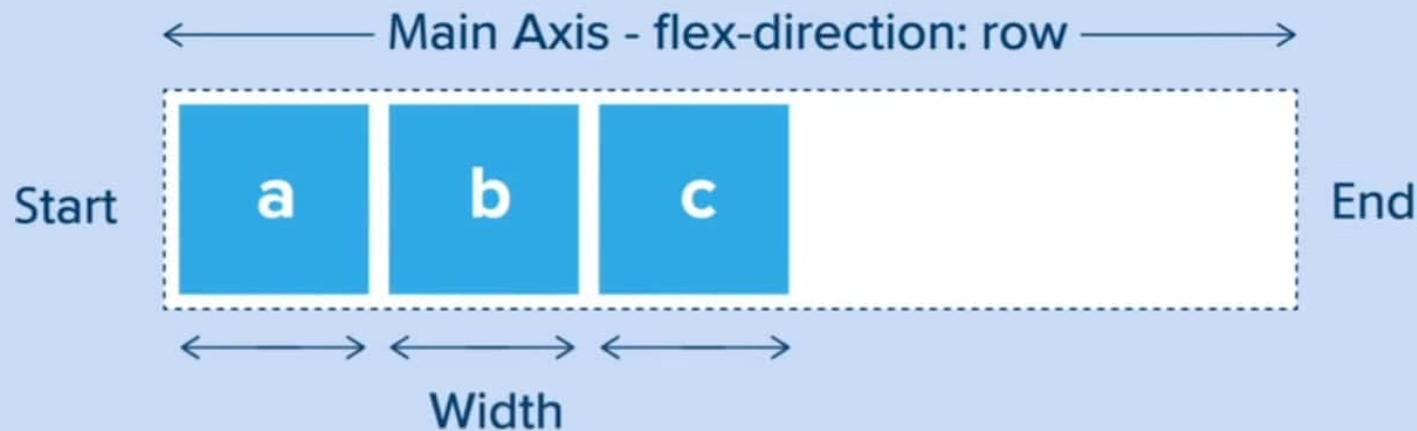
Learning objectives

- Flex-basis.
- Flex-grow.
- Flex-shrink.

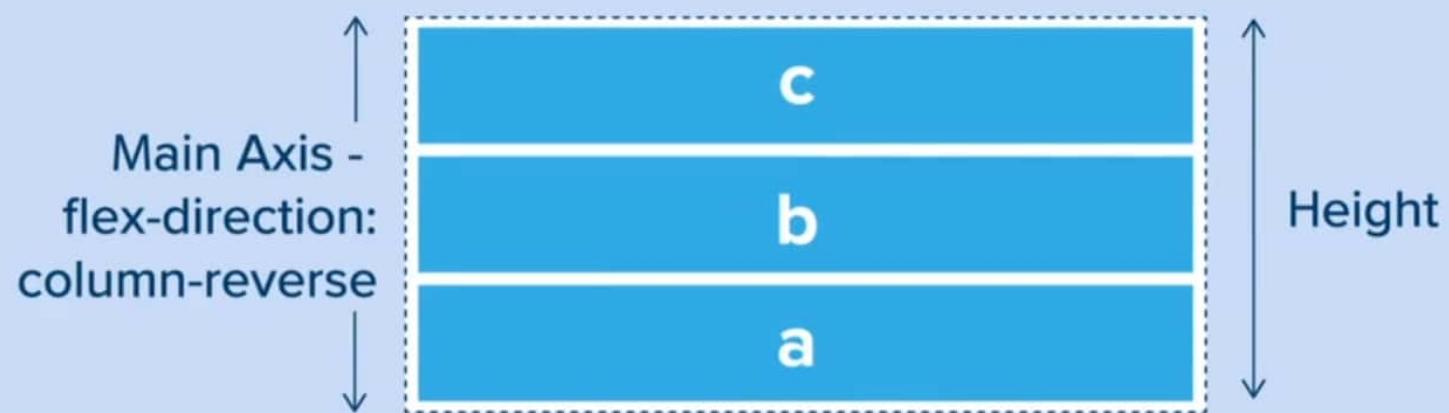
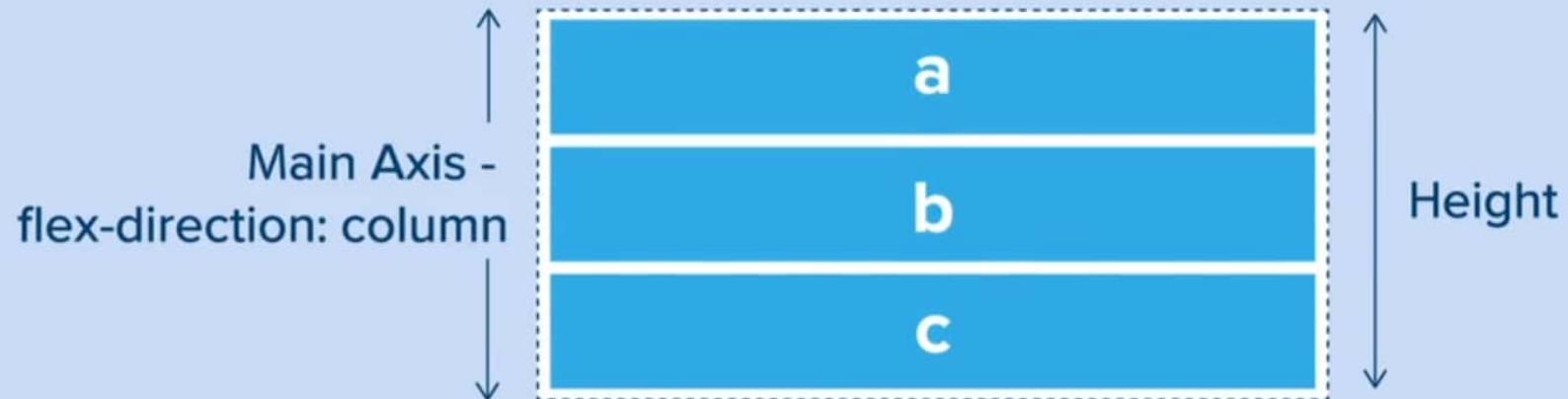


flex-basis

- It is applied to flex items.
- It is used to define the size of the item along the main axis.



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flex-basis

- The default value is auto.
- It can be defined any length value.
- The length value overrides the width property even if explicitly defined.
- If flex-basis: auto and width: auto, then the value defined in width property is considered.

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13   width: 100px;
14 }
15 .one {
16   flex-basis: 50px;
17 }
18 .two {
19   flex-basis: auto;
20 }
21 .three {
22   flex-basis: 200px;
23 }
24
```

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HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13   width: 100px;
14 }
15 .one {
16   flex-basis: 50px;
17 }
18 .two {
19   flex-basis: auto;
20 }
21 .three {
22   flex-basis: 200px;
23 }
24
```

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HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13   width: 100px;
14 }
15 .one {
16   flex-basis: 50px;
17 }
18 .two {
19   flex-basis: auto;
20 }
21 .three {
22   flex-basis: 200px;
23 }
24
```

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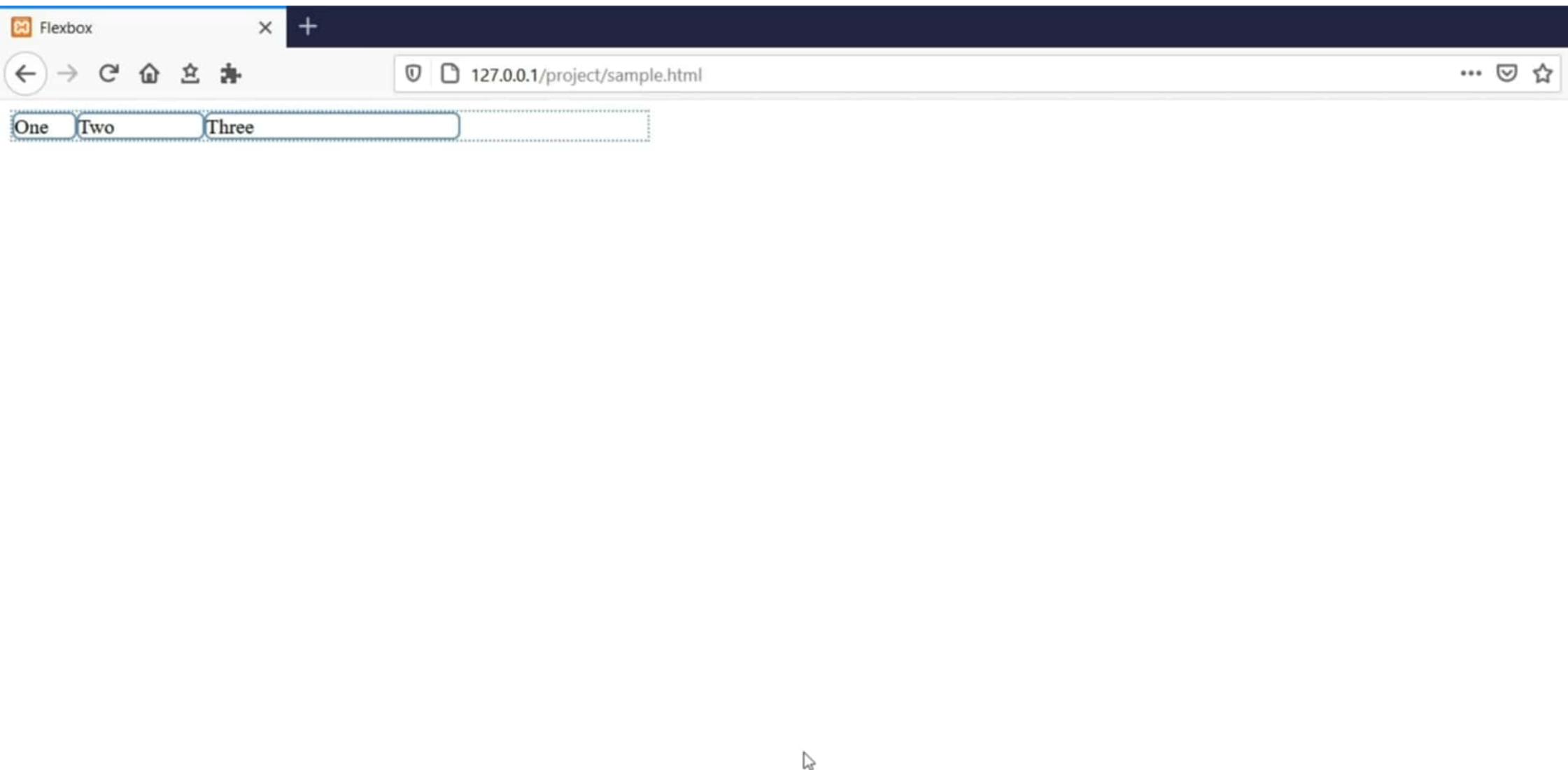
HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13   width: 100px;
14 }
15 .one {
16   flex-basis: 50px;
17 }
18 .two {
19   flex-basis: auto;
20 }
21 .three {
22   flex-basis: 200px
23 }
24
```

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Internshala Trainings



Available and Deficit Space

Internshala Trainings

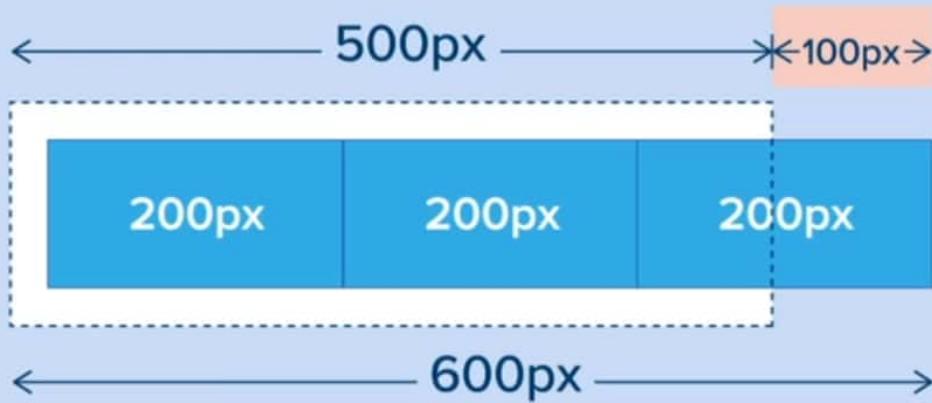


Width of container = 500px

Width of 1 item = 100px

Width of 3 items (equal width)
 $= 3 * 100px = 300px$

Available space = 500px - 300px



Width of container = 500px

Width of 1 item = 200px

Width of 3 items (equal width)
 $= 3 * 200px = 600px$

Deficit space = 600px - 500px



flex-grow

- It is applied to flex items.
- Only applicable if the container has available space after placing all the flex items.
- Its default value is 0.
- It causes an item to stretch beyond its specified width in proportion to other flex items as per their flex-grow values.

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px ■rgb(96, 139, 168);
6    width: 500px; ■
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px ■rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 0;
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
```

Width of container
= 500px

Width of border on each side = 2px

Space available inside the container = $500\text{px} - 4\text{px}$
= 496px

Width of 3 items having 100px width = $3 * 100\text{px}$
= 300px

Available space
= $496\text{px} - 300\text{px} = 196\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px ■rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px ■rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 0;
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26
```

Width of container
= 500px

Width of border on each
side = 2px

Space available inside the
container = $500\text{px} - 4\text{px}$
= 496px

Width of 3 items having
100px width = $3 * 100\text{px}$
= 300px

Available space
= $496\text{px} - 300\text{px} = 196\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
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17 }
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19   flex-basis: 100px;
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22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26
```

Width of container
= 500px

Width of border on each
side = 2px

Space available inside the
container = $500\text{px} - 4\text{px}$
= 496px

Width of 3 items having
100px width = $3 * 100\text{px}$
= 300px

Available space
= $496\text{px} - 300\text{px} = 196\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
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19   flex-basis: 100px;
20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26
```

Width of container
= 500px

Width of border on each
side = 2px

Space available inside the
container = $500\text{px} - 4\text{px}$
= 496px

Width of 3 items having
100px width = $3 * 100\text{px}$
= 300px

Available space
= $496\text{px} - 300\text{px} = 196\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
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5    border: dotted 2px #rgb(96, 139, 168);
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7    display: flex;
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11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
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20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26
```

Width of container
= 500px

Width of border on each
side = 2px

Space available inside the
container = $500\text{px} - 4\text{px}$
= 496px

Width of 3 items having
100px width = $3 * 100\text{px}$
= 300px

Available space
 $= 496\text{px} - 300\text{px} = 196\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 0; [Red Box]
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 1; [Red Box]
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1; [Red Box]
25 }
26 }
```

flex-grow value of 1st item = 0

flex-grow value of 2nd item = 1

flex-grow value of 3rd item = 1

New width of 1st item = 100px

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
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10 .box > div {
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14 .one {
15   flex-basis: 100px;
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19   flex-basis: 100px;
20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26 }
```

flex-grow value of 1st item = 0

flex-grow value of 2nd item = 1

flex-grow value of 3rd item = 1

New width of 1st item = 100px

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 0;
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26 }
```

flex-grow value of 1st item = 0

flex-grow value of 2nd item = 1

flex-grow value of 3rd item = 1

New width of 1st item = 100px

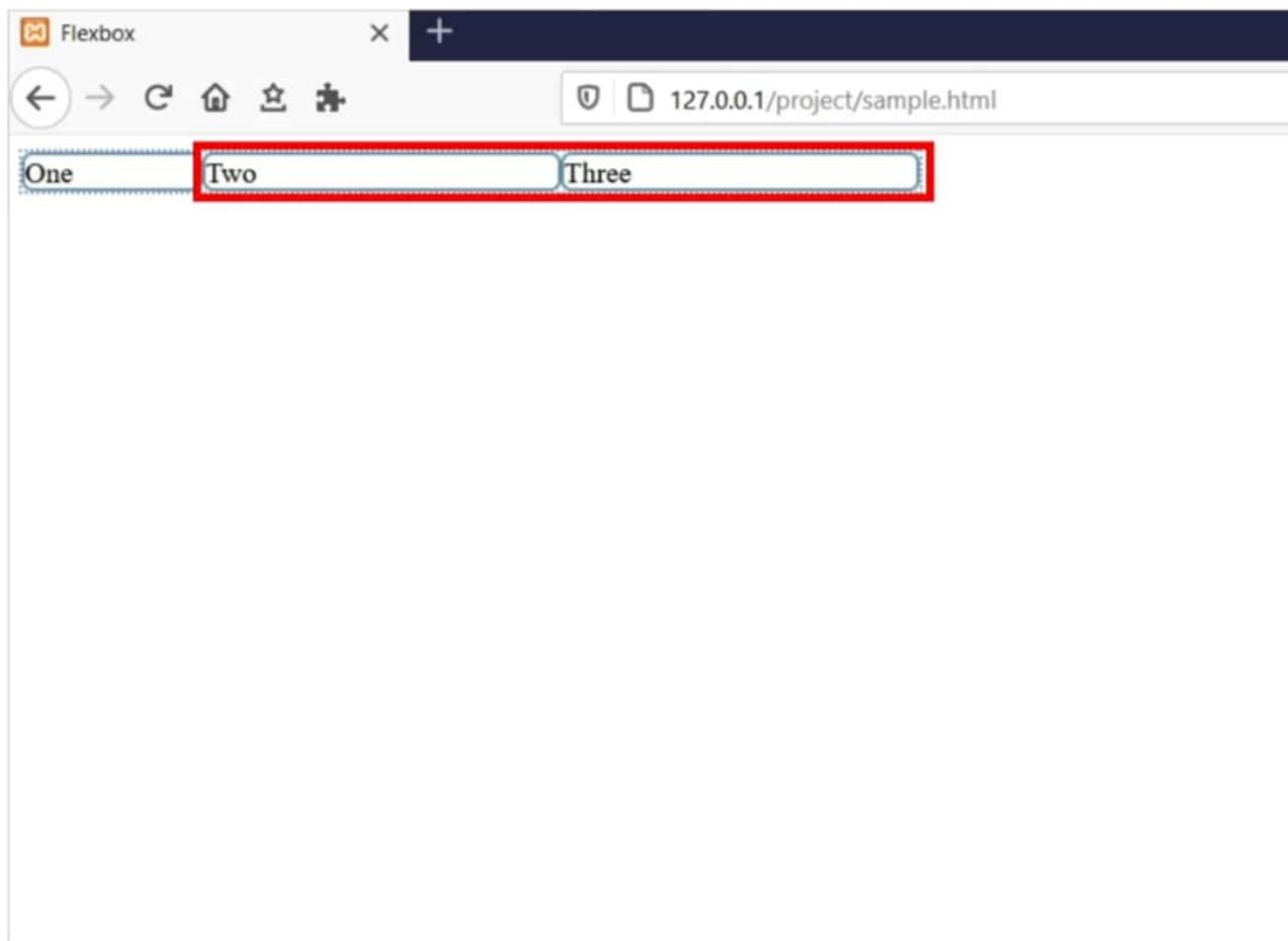
CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px ■rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px ■rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 0;
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 1;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26 }
```

New width of 2nd and
3rd item = $100\text{px} + \frac{196}{2}\text{px}$
= 198px

Internshala Trainings

Output



New width of 2nd and
3rd item = $100\text{px} + 196/2\text{px}$
= 198px

Internshala Trainings

The screenshot shows a browser window with the title "Flexbox" and the URL "127.0.0.1/sample.html". The page content displays three div elements: "One", "Two", and "Three", arranged horizontally. The "One" div is highlighted with a red border. The browser's developer tools are open, specifically the "Elements" tab. In the bottom-left of the tools, the DOM tree is visible, showing the structure of the HTML document. The "one" div is selected in the tree, which is why it has a red border. To the right of the DOM tree, the "Styles" panel is open, displaying the CSS styles applied to the selected element. The styles listed are:

```
element.style { }  
.box > div { border: 2px solid #rgb(96, 139, 168); border-radius: 5px; }  
.one { flex-basis: 100px; flex-grow: 0; }  
{ box-sizing: border-box; }
```

The "Internshala Trainings" watermark is present at the bottom right of the image.

The screenshot shows a web browser window with the title "Flexbox". The address bar displays the URL "127.0.0.1/sample.html". The main content area shows a horizontal flexbox container with three items: "One", "Two", and "Three". The item "Two" is highlighted with a red border, indicating it is selected or being inspected. The developer tools are open at the bottom of the screen, specifically the "Elements" tab. The left panel shows the HTML structure:

```
<html>
  <head>...</head>
  <body>
    <div class="box"> flex
      <div class="one">One</div> == $0
      <div class="two">Two</div>
      <div class="three">Three</div>
    </div>
  </body>
</html>
```

The right panel shows the CSS styles for the selected element, ".two":

```
element.style {
}
.box > div {
  border: 2px solid #rgb(96, 139, 168);
  border-radius: 5px;
}
.one {
  flex-basis: 100px;
  flex-grow: 0;
}
{
  box-sizing: border-box;
}
```

The screenshot shows a web browser window with the title "Flexbox". The address bar indicates the URL is 127.0.0.1/sample.html. The main content area displays three horizontal boxes labeled "One", "Two", and "Three". The "Three" box is highlighted with a red border. Below the boxes, a tooltip shows "div.three 198 x 22".

The browser's developer tools are open, specifically the "Elements" tab. The DOM tree on the left shows the following structure:

```
<html>
  <head>...</head>
  <body>
    <div class="box"> flex
      <div class="one">One</div> == $0
      <div class="two">Two</div>
      <div class="three">Three</div>
    </div>
  </body>
</html>
```

The "three" div is currently selected. The "Styles" panel on the right lists the following CSS rules:

```
element.style {
}
.box > div {
  border: 2px solid #rgb(96, 139, 168);
  border-radius: 5px;
}
.one {
  flex-basis: 100px;
  flex-grow: 0;
}

```

At the bottom of the developer tools, there is a watermark that reads "Internshala Trainings".

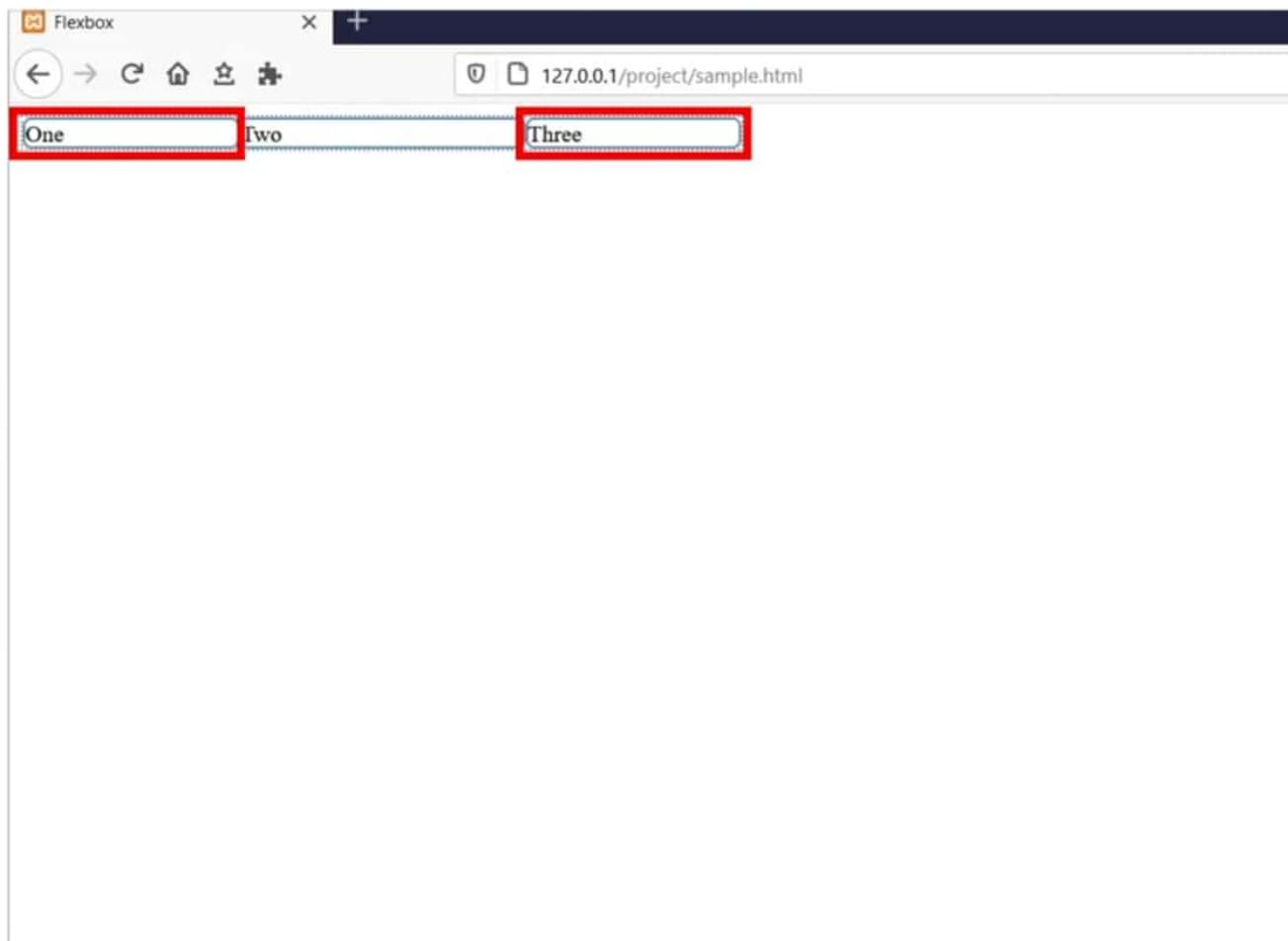
CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px ■rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px ■rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 1;
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 2;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26 |
```



Internshala Trainings

Output

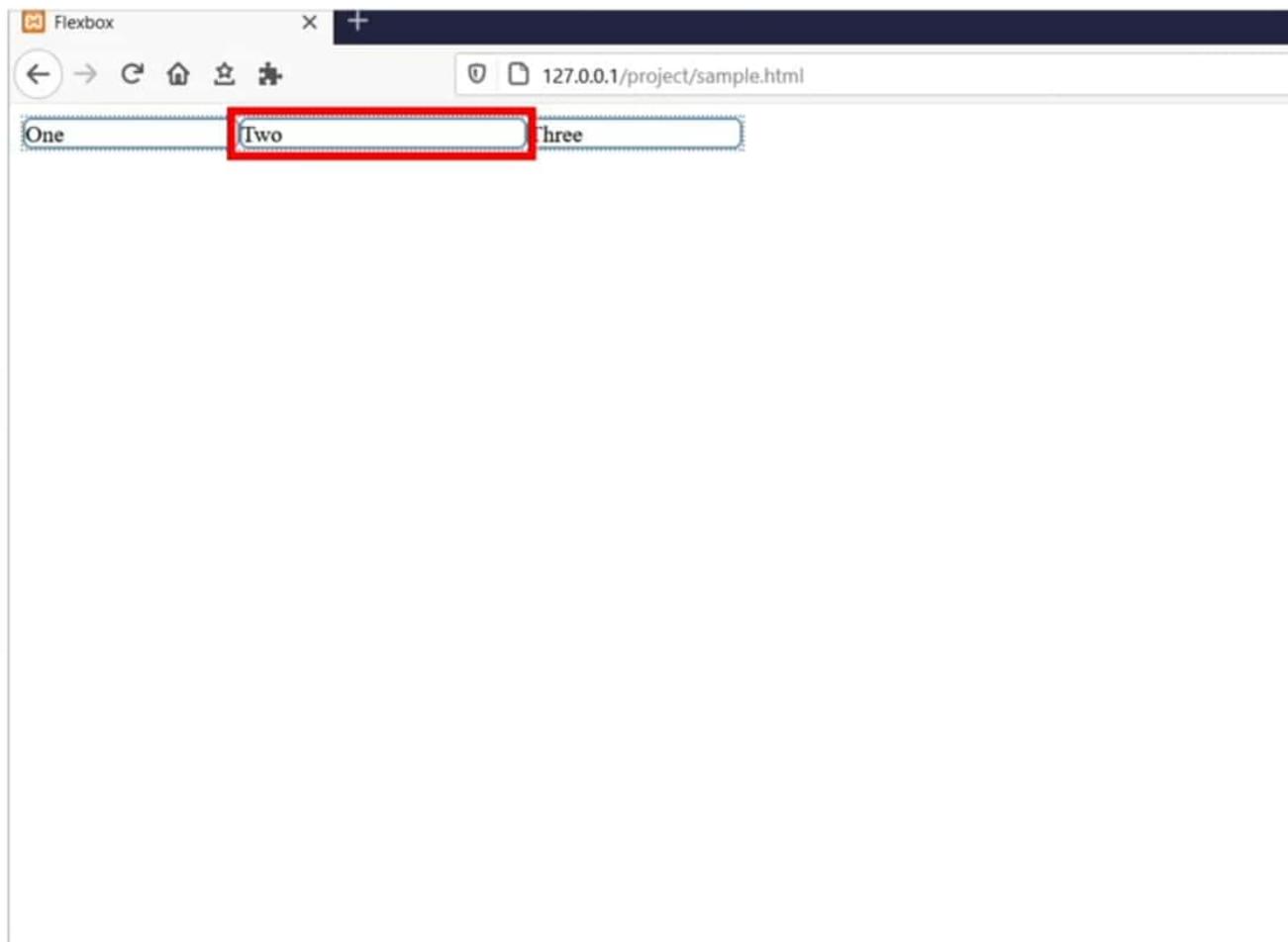


Width of 1st and 3rd item
 $= 100\text{px} + 196\text{px}/4 = 149\text{px}$

Width of 2nd item = $100\text{px} + 196\text{px}/2 = 198\text{px}$

Internshala Trainings

Output



Width of 1st and 3rd item
 $= 100\text{px} + 196\text{px}/4 = 149\text{px}$

Width of 2nd item = $100\text{px} + 196\text{px}/2 = 198\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px □rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px □rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 100px;
16   flex-grow: 0;
17 }
18 .two {
19   flex-basis: 100px;
20   flex-grow: 0;
21 }
22 .three {
23   flex-basis: 100px;
24   flex-grow: 1;
25 }
26 }
```





flex-shrink

- It is applied to flex items.
- Only applicable if the container has deficit space.
- Its default value is 1.
- It causes an item to shrink in proportion to other flex items as per their flex-shrink values.

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16 }
17 .two {
18   flex-basis: 200px;
19 }
20 .three {
21   flex-basis: 200px;
22 }
```

Width of container = 500px

Width of border on each side = 2px

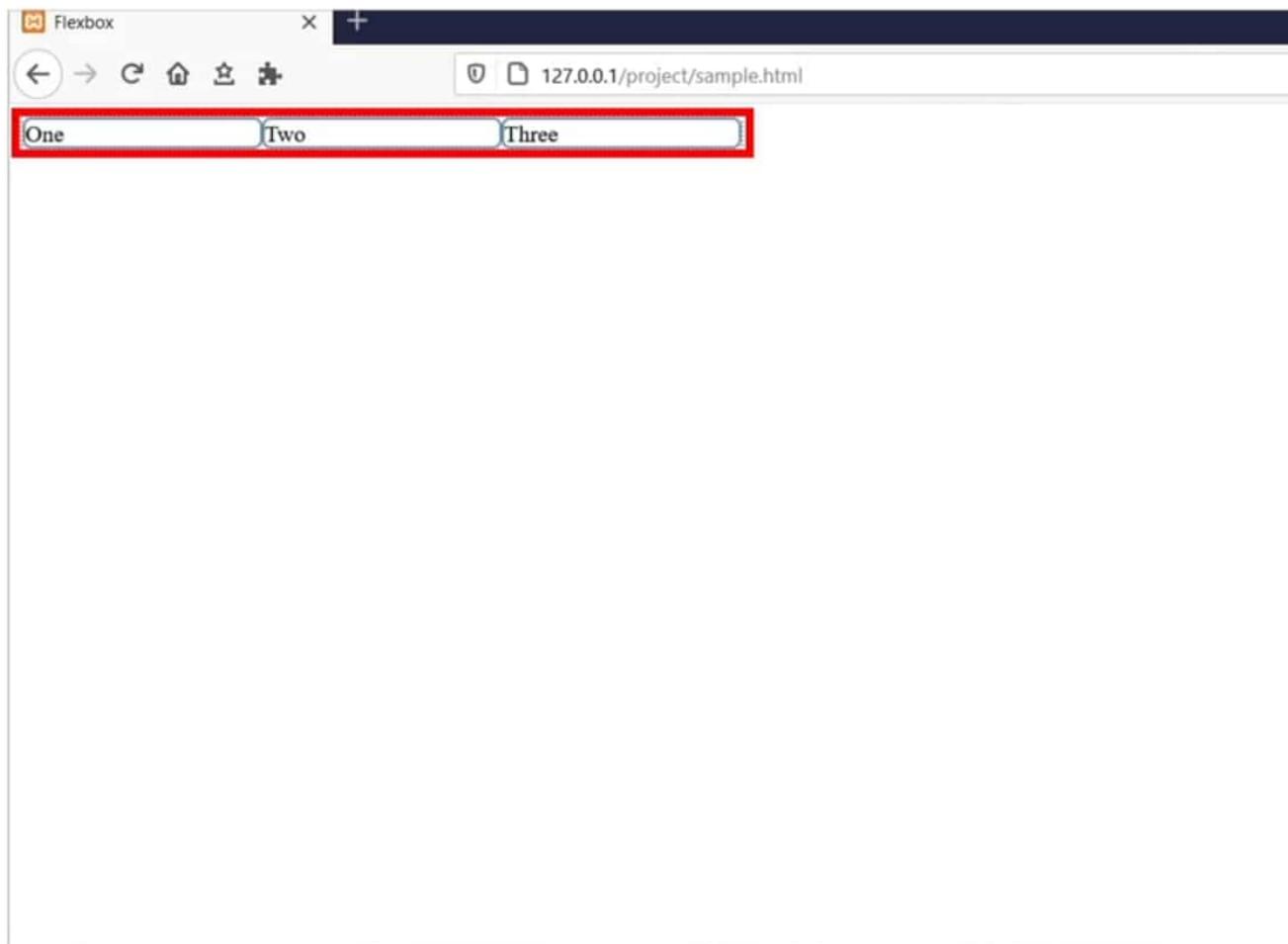
Space available inside the container = $500\text{px} - 4\text{px} = 496\text{px}$

Width of 3 items having 200px width = $3 * 200\text{px} = 600\text{px}$

Deficit space = $600\text{px} - 496\text{px} = 104\text{px}$

Internshala Trainings

Output



Width of container = 500px

Width of border on each side = 2px

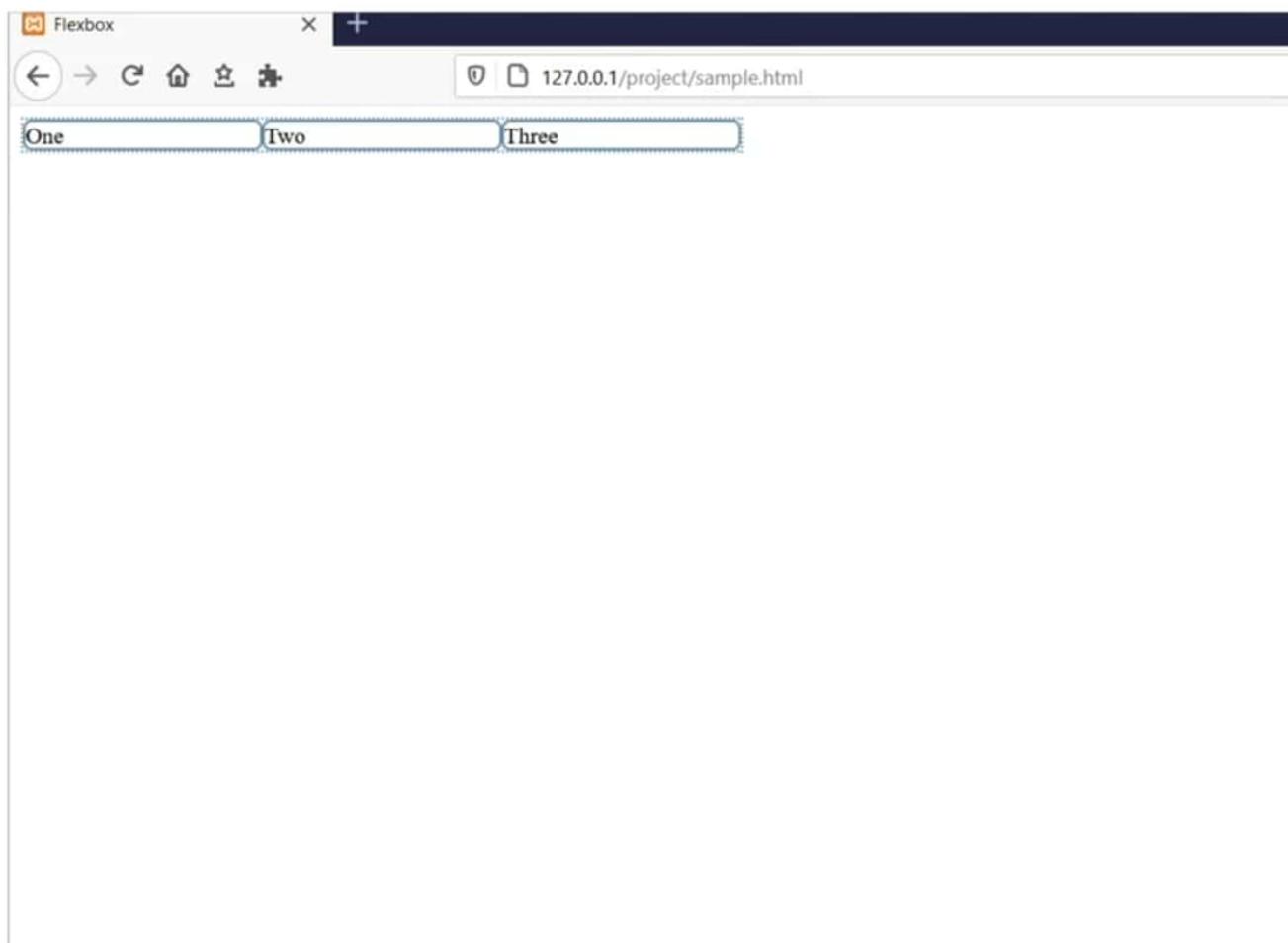
Space available inside the container = $500\text{px} - 4\text{px} = 496\text{px}$

Width of 3 items having 200px width = $3 * 200\text{px} = 600\text{px}$

Deficit space = $600\text{px} - 496\text{px} = 104\text{px}$

Internshala Trainings

Output



flex-shrink value of 1st,
2nd, and 3rd item = 1

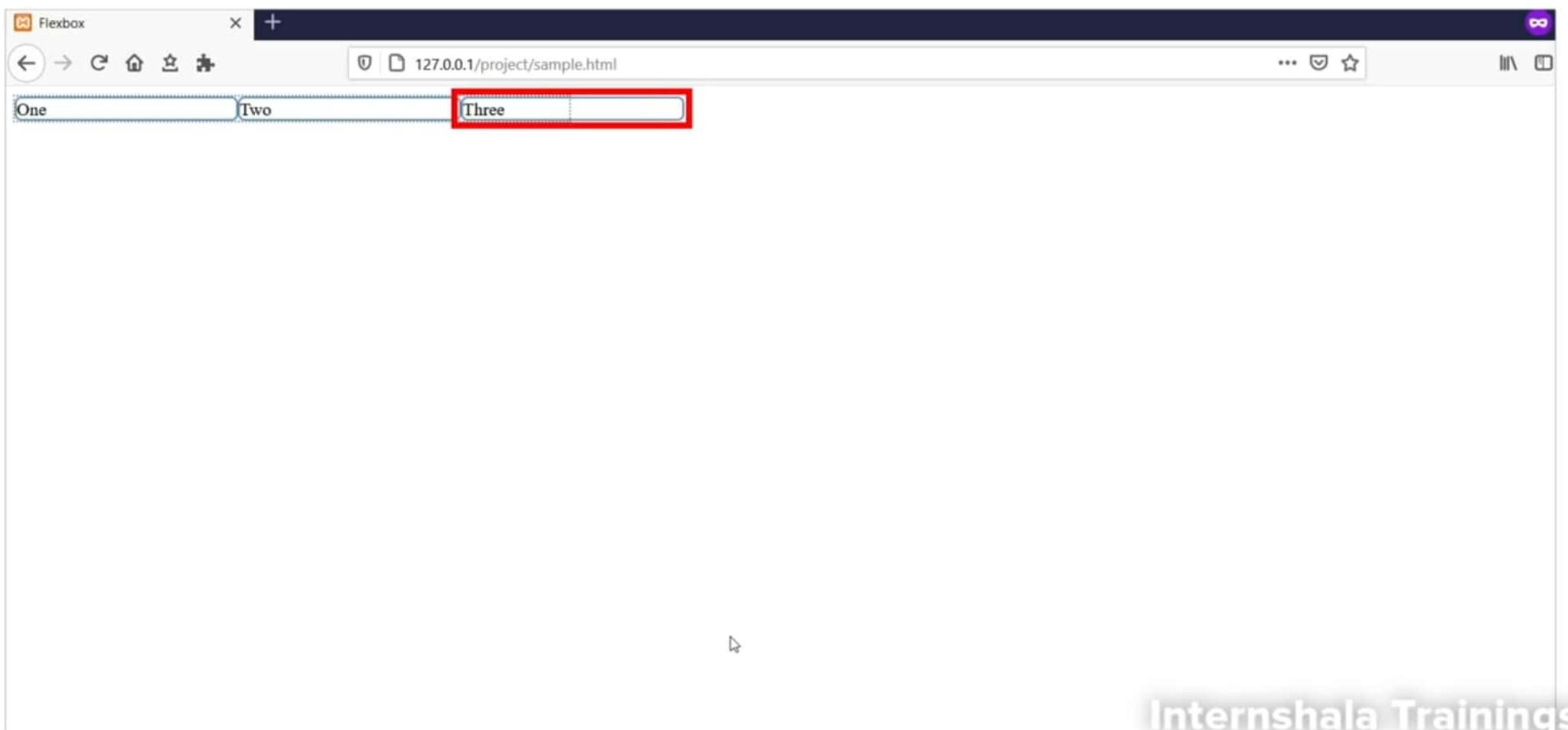
New width of 1st, 2nd,
and 3rd item
= $200\text{px} - 104\text{px}/3$
= 165.33px

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px □rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px □rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 0;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 0;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 0;
25 }
```

Output



Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px □rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px □rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 1;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 1;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 2;
25 }
26 }
```

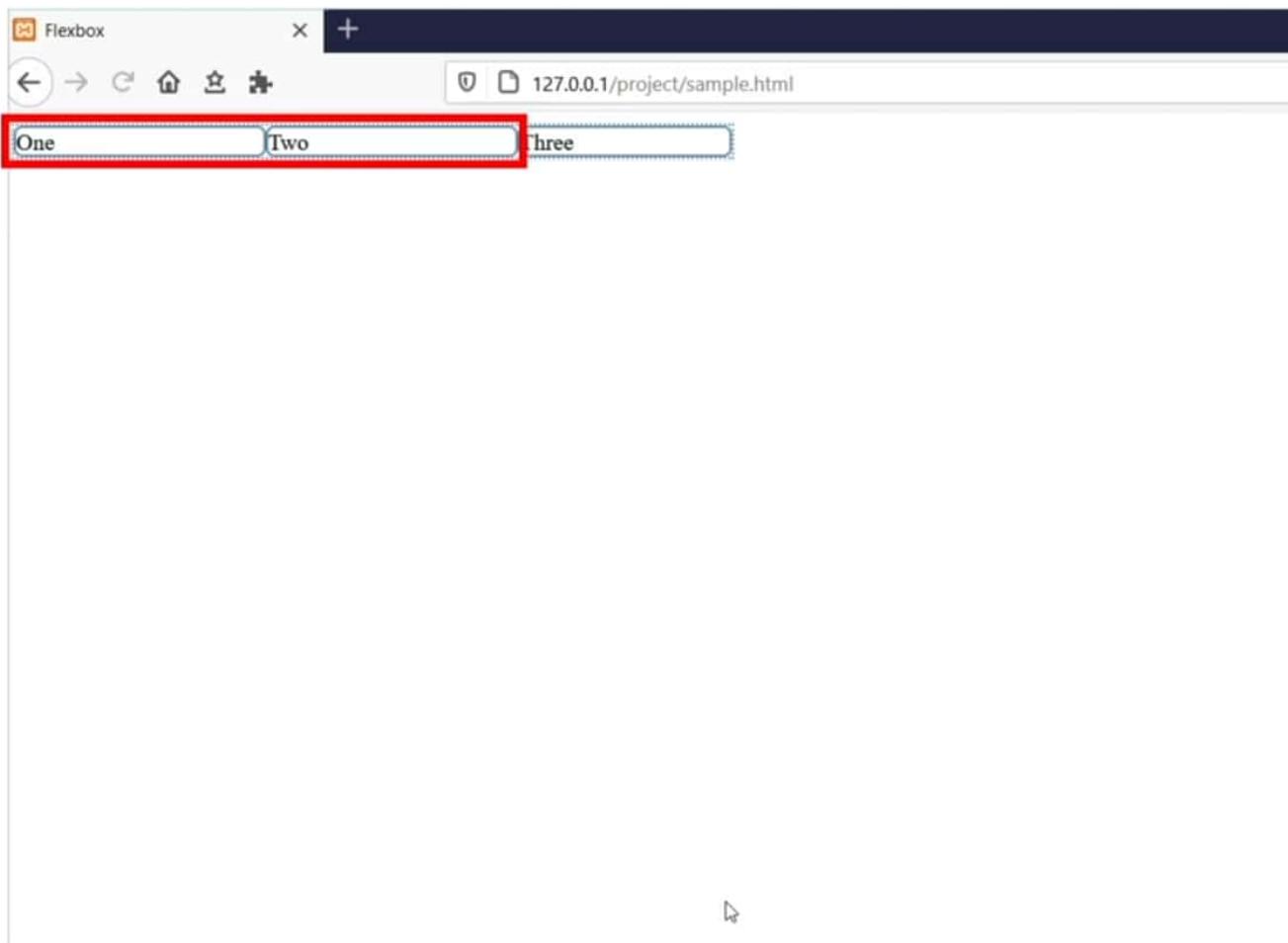
CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px □rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px □rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 1;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 1;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 2;
25 }
26 }
```



Internshala Trainings

Output

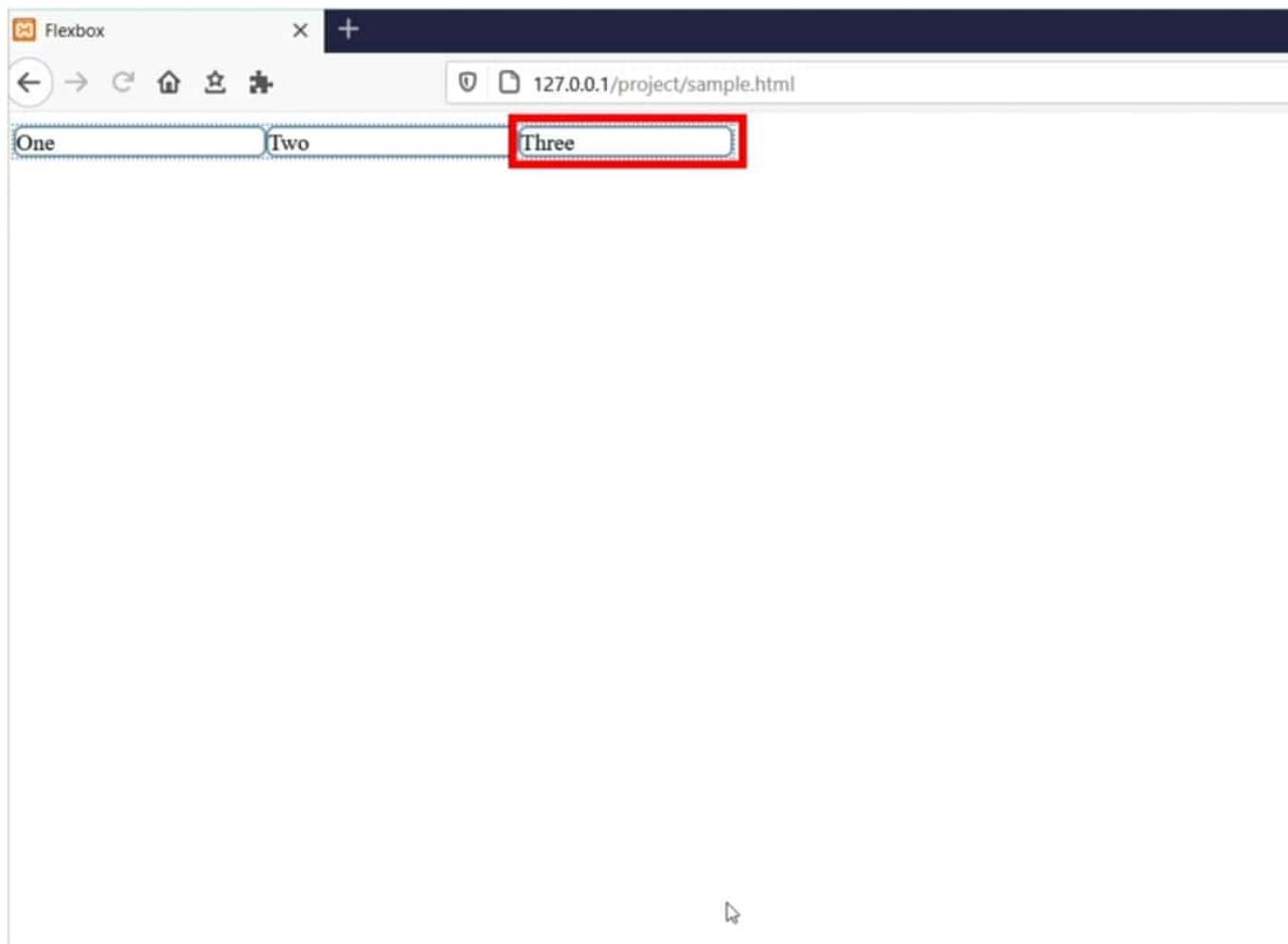


Width of 1st and 2nd item
 $= 200\text{px} - 104\text{px}/4 = 174\text{px}$

Width of 3rd item
 $= 200\text{px} - 104\text{px}/2 = 148\text{px}$

Internshala Trainings

Output



Width of 1st and 2nd item
 $= 200\text{px} - 104\text{px}/4 = 174\text{px}$

Width of 3rd item
 $= 200\text{px} - 104\text{px}/2 = 148\text{px}$

Internshala Trainings

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px ■rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
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13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 1;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 1;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 2;
25 }
26 }
```

Width of 1st and 2nd item
 $= 200\text{px} - 104\text{px}/4 = 174\text{px}$

Width of 3rd item
 $= 200\text{px} - 104\text{px}/2 = 148\text{px}$

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
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11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 1;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 1;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 2;
25 }
26 }
```

Width of 1st and 2nd item
 $= 200\text{px} - 104\text{px}/4 = 174\text{px}$

Width of 3rd item
 $= 200\text{px} - 104\text{px}/2 = 148\text{px}$

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 1;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 1;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 2;
25 }
26 }
```

Width of 1st and 2nd item
 $= 200\text{px} - 104\text{px}/4 = 174\text{px}$

Width of 3rd item
 $= 200\text{px} - 104\text{px}/2 = 148\text{px}$

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex-basis: 200px;
16   flex-shrink: 1;
17 }
18 .two {
19   flex-basis: 200px;
20   flex-shrink: 1;
21 }
22 .three {
23   flex-basis: 200px;
24   flex-shrink: 2;
25 }
26 }
```

Width of 1st and 2nd item
 $= 200\text{px} - 104\text{px}/4 = 174\text{px}$

Width of 3rd item
 $= 200\text{px} - 104\text{px}/2 = 148\text{px}$

Module 2 > Topic 10 > Video 3

Properties Associated With Flexbox - Part II

Internshala Trainings



Learning objectives

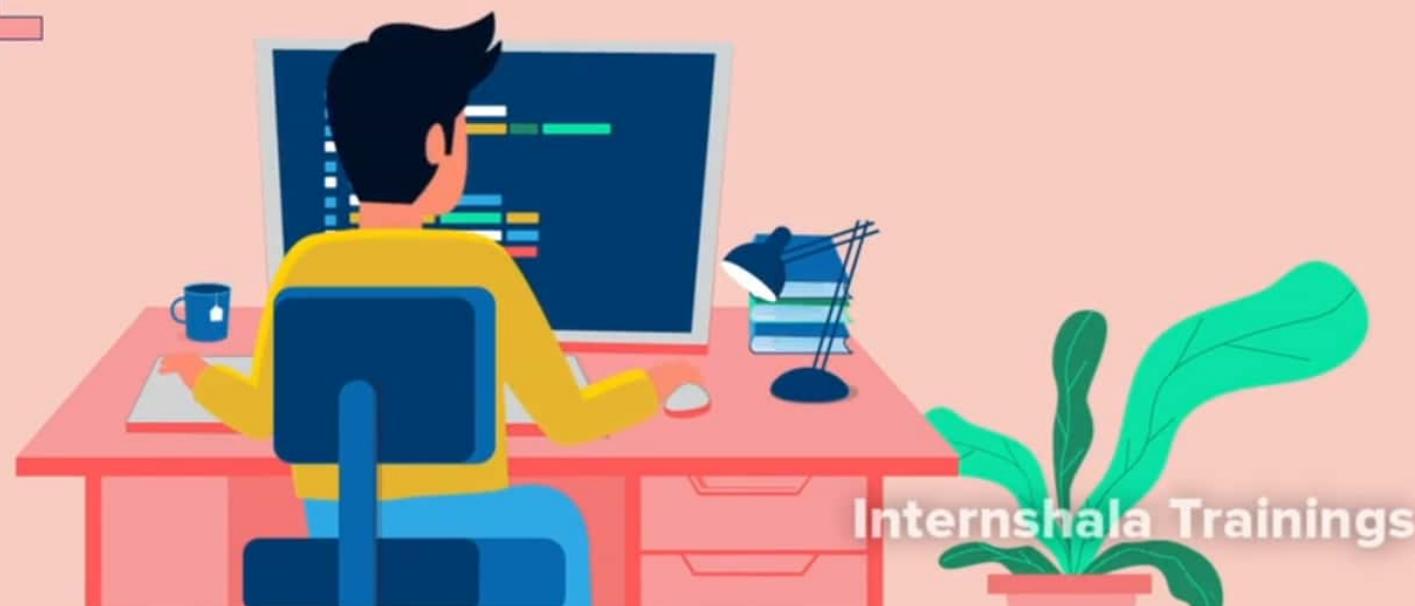
- Flex shorthand.
- Flex-wrap.
- Flex-flow.
- Justify-items.
- Align-items.
- Self-align.



flex-basis

flex-grow

flex-shrink



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flex



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HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 200px;
16 }
17 .two {
18   flex: 0 1 200px;
19 }
20 .three {
21   flex: 0 1 200px;
22 }
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 200px;
16 }
17 .two {
18   flex: 0 1 200px;
19 }
20 .three {
21   flex: 0 1 200px;
22 }
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
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2    <head>
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4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
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7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
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3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 200px;
16 }
17 .two {
18   flex: 0 1 200px;
19 }
20 .three {
21   flex: 0 1 200px;
22 }
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 200px;
16 }
17 .two {
18   flex: 0 1 200px;
19 }
20 .three {
21   flex: 0 1 200px;
22 }
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 200px;
16 }
17 .two {
18   flex: 0 1 200px;
19 }
20 .three {
21   flex: 0 1 200px;
22 }
23
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 200px;
16 }
17 .two {
18   flex: 0 1 200px;
19 }
20 .three {
21   flex: 0 1 200px;
22 }
```

Internshala Trainings

- ⌚ What is the width of the 1st, 2nd, and 3rd flex item?



Internshala Trainings



flex-wrap

- It is applied to the flex container.
- It is applied only if the container has deficit space.
- It allows the browser to wrap the items together in another line instead of shrinking them to fit in the same line.
- It has two values: wrap and nowrap.
- Its default value is nowrap.
- It does not affect the flex items when flex-wrap property value is set to wrap.

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2      <head>
3          <title> Flexbox </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div class="box">
8              <div class="one">One</div>
9              <div class="two">Two</div>
10             <div class="three">Three</div>
11         </div>
12     </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2      box-sizing: border-box;
3  }
4  .box {
5      border: dotted 2px #rgb(96, 139, 168);
6      width: 500px;
7      display: flex;
8      flex-direction: row;
9      flex-wrap: wrap;
10 }
11 .box > div {
12     border: solid 2px #rgb(96, 139, 168);
13     border-radius: 5px;
14 }
15 .one {
16     flex: 0 0 200px;
17 }
18 .two {
19     flex: 0 1 200px;
20 }
21 .three {
22     flex: 0 1 200px;
23 }
24
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2      <head>
3          <title> Flexbox </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div class="box">
8              <div class="one">One</div>
9              <div class="two">Two</div>
10             <div class="three">Three</div>
11         </div>
12     </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2      box-sizing: border-box;
3  }
4  .box {
5      border: dotted 2px #rgb(96, 139, 168);
6      width: 500px;
7      display: flex;
8      flex-direction: row;
9      flex-wrap: wrap;
10 }
11 .box > div {
12     border: solid 2px #rgb(96, 139, 168);
13     border-radius: 5px;
14 }
15 .one {
16     flex: 0 0 200px;
17 }
18 .two {
19     flex: 0 1 200px;
20 }
21 .three {
22     flex: 0 1 200px;
23 }
24
```

Internshala Trainings

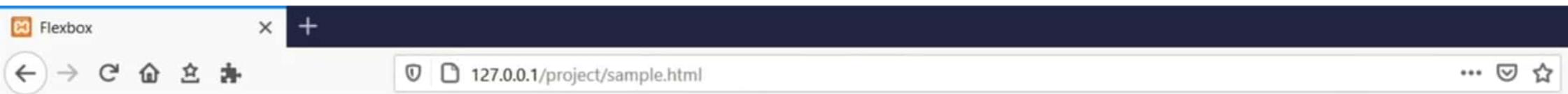
HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2      <head>
3          <title> Flexbox </title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div class="box">
8              <div class="one">One</div>
9              <div class="two">Two</div>
10             <div class="three">Three</div>
11         </div>
12     </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2      box-sizing: border-box;
3  }
4  .box {
5      border: dotted 2px #rgb(96, 139, 168);
6      width: 500px;
7      display: flex;
8      flex-direction: row;
9      flex-wrap: wrap;
10 }
11 .box > div {
12     border: solid 2px #rgb(96, 139, 168);
13     border-radius: 5px;
14 }
15 .one {
16     flex: 0 0 200px;
17 }
18 .two {
19     flex: 0 1 200px;
20 }
21 .three {
22     flex: 0 1 200px;
23 }
24
```

Internshala Trainings



Internshala Trainings

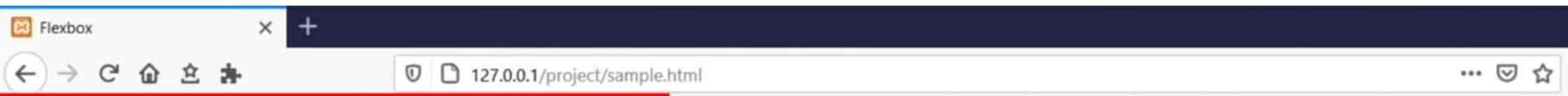
HTML code

```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C: > xampp > htdocs > project > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9    flex-wrap: nowrap;
10 }
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 0 200px;
17 }
18 .two {
19   flex: 0 1 200px;
20 }
21 .three {
22   flex: 0 1 200px;
23 }
24
```

Internshala Trainings



Internshala Trainings



flex-flow

It is applied to the flex container.

HTML code

```
C:\xampp\htdocs\project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
```

CSS code

```
C:\xampp\htdocs\project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9    flex-flow: row wrap;
10 }
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 0 200px;
17 }
18 .two {
19   flex: 0 1 200px;
20 }
21 .three {
22   flex: 0 1 200px;
23 }
24
```

Internshala Trainings

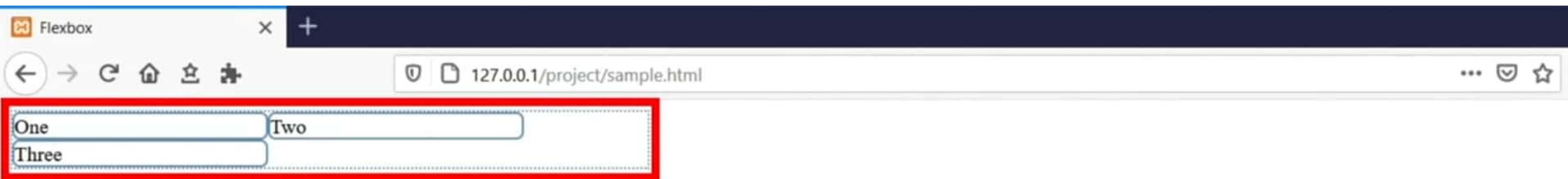
HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

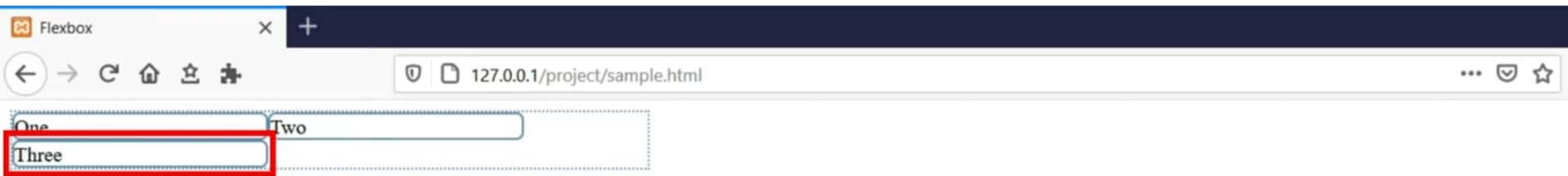
CSS code

```
C:\xampp>htdocs>project> css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-direction: row;
9    flex-flow: row wrap;
10 }
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 0 200px;
17 }
18 .two {
19   flex: 0 1 200px;
20 }
21 .three {
22   flex: 0 1 200px;
23 }
24
```

Internshala Trainings



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Internshala Trainings

⌚ justify-content

- It is applied to the flex container.
- It is applied only if the container has available space.
- It tells the browser how the available space should be distributed along the main axis, across the items.
- It works only if none of the flex items are allowed to grow.
- It has 6 values: flex-start, flex-end, center, space-around, space-between, and space-evenly.
- Its default value is flex-start.

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

CSS code

```
C:\xampp>htdocs>css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 100px;
16 }
17 .two {
18   flex: 0 0 100px;
19 }
20 .three {
21   flex: 0 0 100px;
22 }
23
```

Internshala Trainings

HTML code

```
C:\xampp>htdocs>project> sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
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6    <body>
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8        <div class="one">One</div>
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10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
14
```

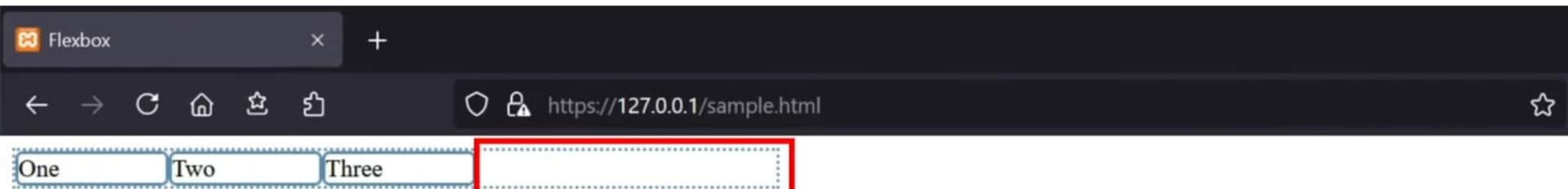
CSS code

```
C:\xampp>htdocs>css> # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 0 100px;
16 }
17 .two {
18   flex: 0 0 100px;
19 }
20 .three {
21   flex: 0 0 100px;
22 }
```

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HTML code

```
C: > xampp > htdocs > project > sample.html > ...
1  <html>
2    <head>
3      <title> Flexbox </title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three</div>
11     </div>
12   </body>
13 </html>
```

CSS code

```
C: > xampp > htdocs > css > style.css > .box
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9    justify-content: flex-end;
10 }
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 0 100px;
17 }
18 .two {
19   flex: 0 0 100px;
20 }
21 .three {
22   flex: 0 0 100px;
23 }
```

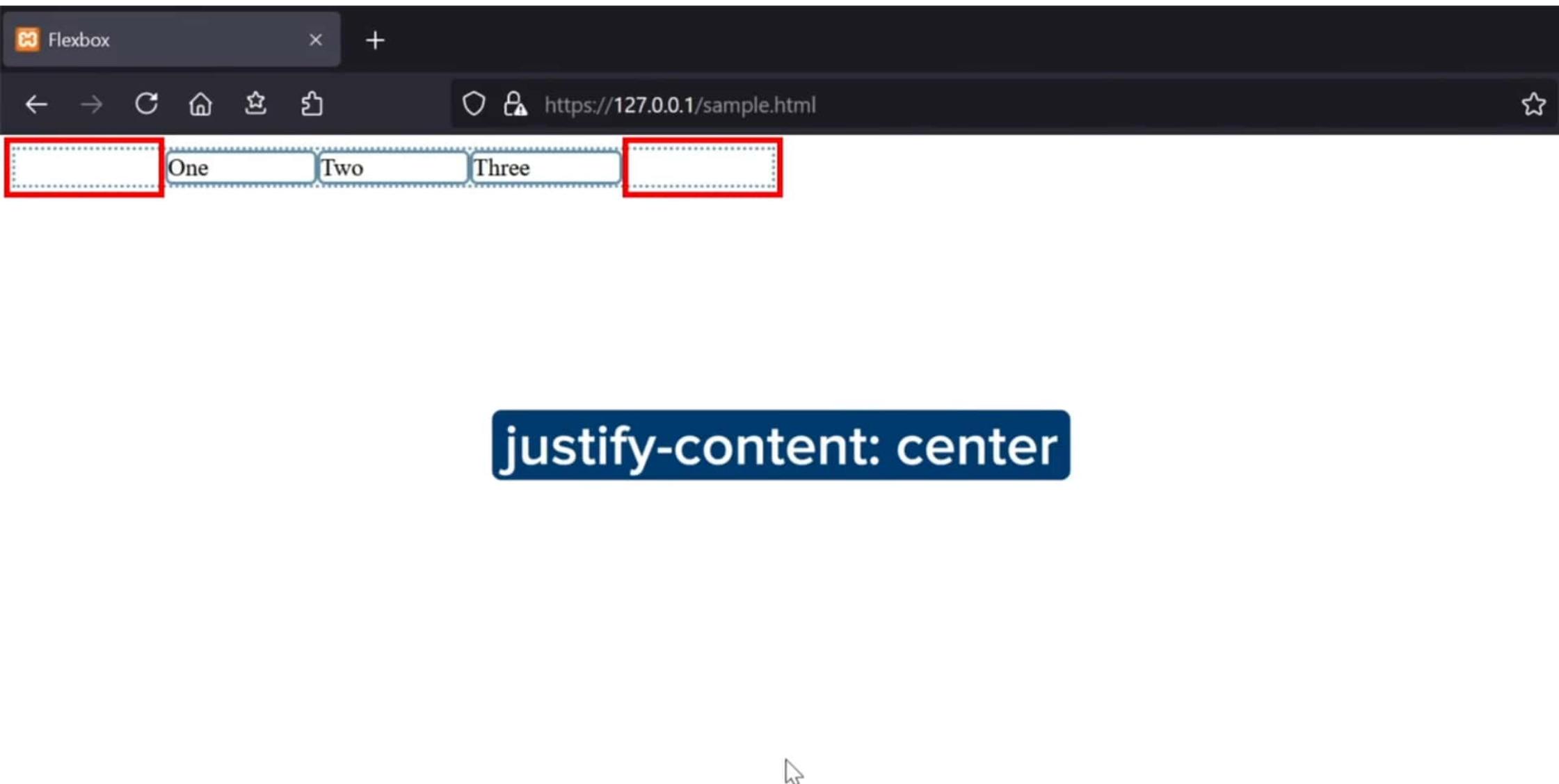
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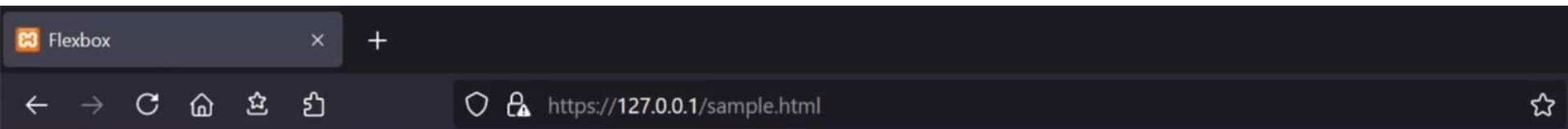
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justify-content: space-between

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justify-content: space-evenly

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justify-content: space-evenly

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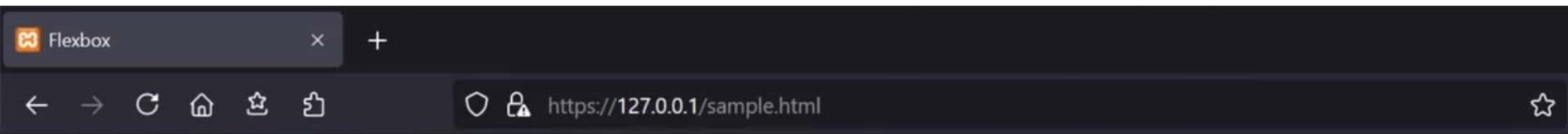


justify-content: space-evenly



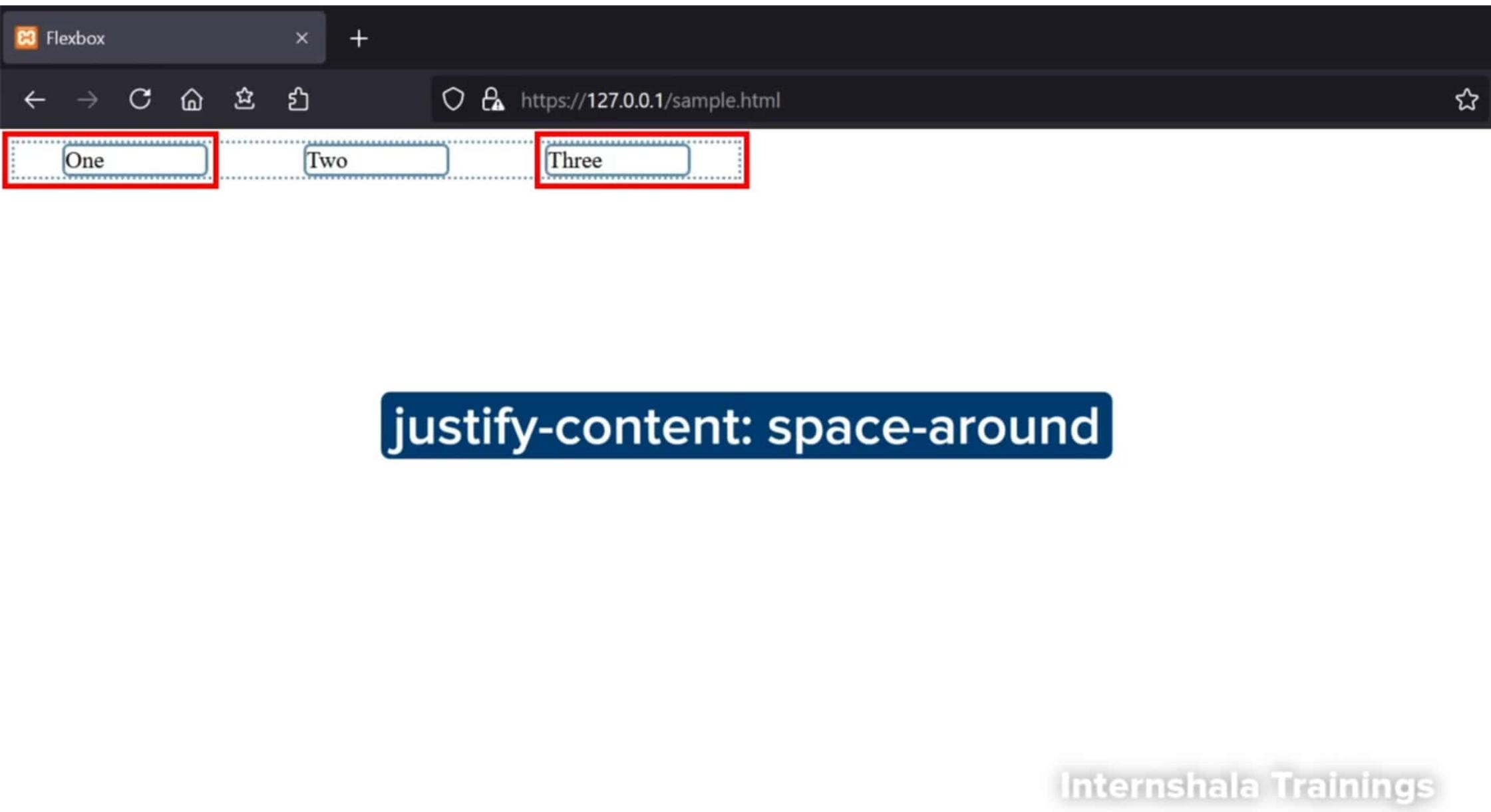
justify-content: space-evenly

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justify-content: space-around

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Internshala Trainings



align-items

- It is applied to the flex container.
- It tells the browser how the items should be laid out along the cross axis.
- It has 4 values: stretch, flex-start, flex-end and center.
- Its default value is stretch.

HTML code

```
C:\>xampp>htdocs> sample.html > ...
1  <html>
2    <head>
3      <title>Flexbox</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three
11         <br>has
12         <br>extra
13         <br>text
14       </div>
15     </div>
16   </body>
17 </html>
```

CSS code

```
C:\>xampp>htdocs> css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 1 100px;
16 }
17 .two {
18   flex: 0 1 100px;
19 }
20 .three {
21   flex: 0 1 100px;
22 }
```

Internshala Trainings

HTML code

```
C:\>xampp>htdocs> sample.html > ...
1  <html>
2      <head>
3          <title>Flexbox</title>
4          <link rel="stylesheet" href="css/style.css"/>
5      </head>
6      <body>
7          <div class="box">
8              <div class="one">One</div>
9              <div class="two">Two</div>
10             <div class="three">Three
11                 <br>has
12                 <br>extra
13                 <br>text
14             </div>
15         </div>
16     </body>
17 </html>
```

CSS code

```
C:\>xampp>htdocs> css > # style.css > ...
1  * {
2      box-sizing: border-box;
3  }
4  .box {
5      border: dotted 2px #rgb(96, 139, 168);
6      width: 500px;
7      display: flex;
8      flex-flow: row nowrap;
9  }
10 .box > div {
11     border: solid 2px #rgb(96, 139, 168);
12     border-radius: 5px;
13 }
14 .one {
15     flex: 0 1 100px;
16 }
17 .two {
18     flex: 0 1 100px;
19 }
20 .three {
21     flex: 0 1 100px;
22 }
```

Internshala Trainings

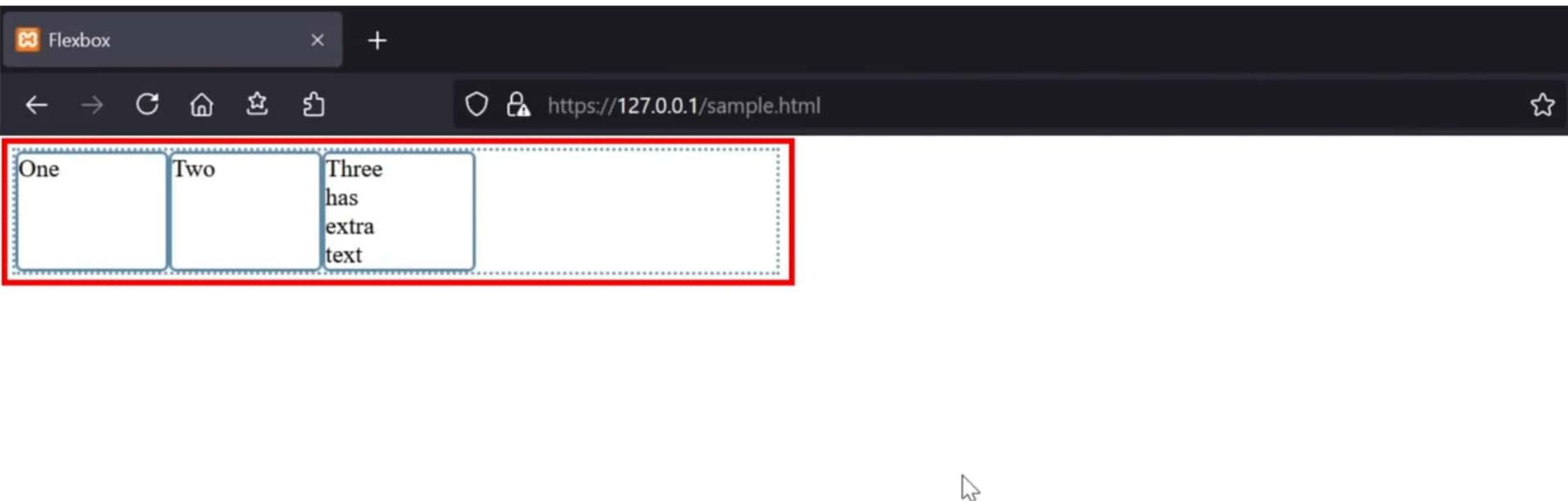
HTML code

```
C:\>xampp>htdocs> sample.html > ...
1  <html>
2    <head>
3      <title>Flexbox</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three
11         <br>has
12         <br>extra
13         <br>text
14       </div>
15     </div>
16   </body>
17 </html>
```

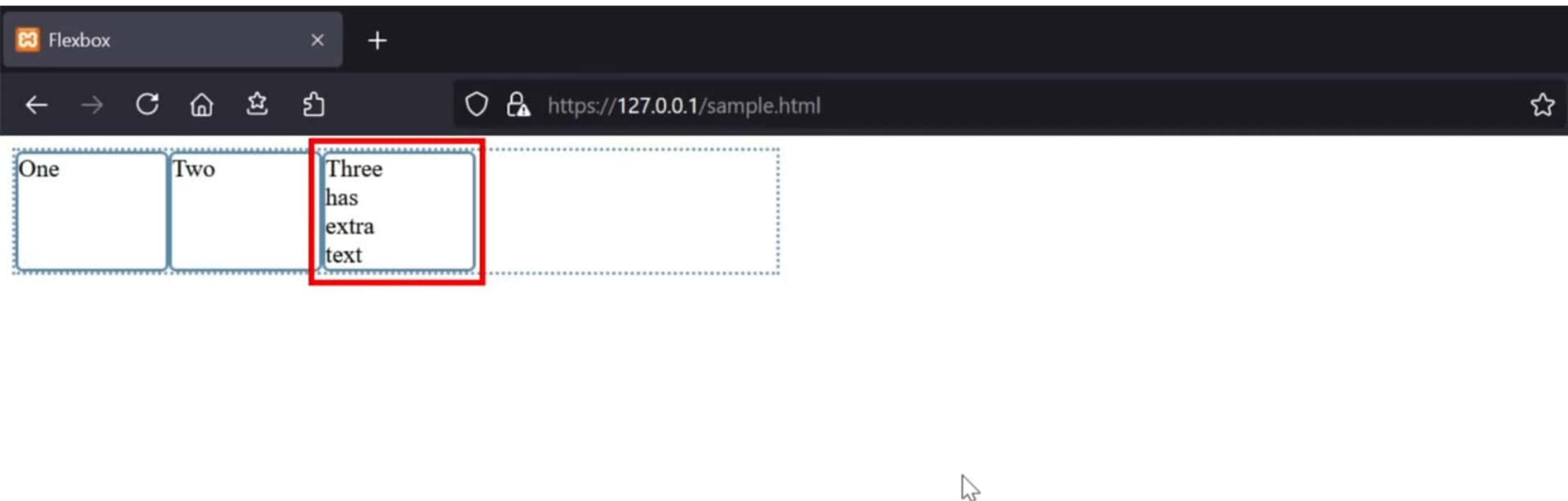
CSS code

```
C:\>xampp>htdocs> css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 1 100px;
16 }
17 .two {
18   flex: 0 1 100px;
19 }
20 .three {
21   flex: 0 1 100px;
22 }
```

Internshala Trainings



Internshala Trainings



Internshala Trainings

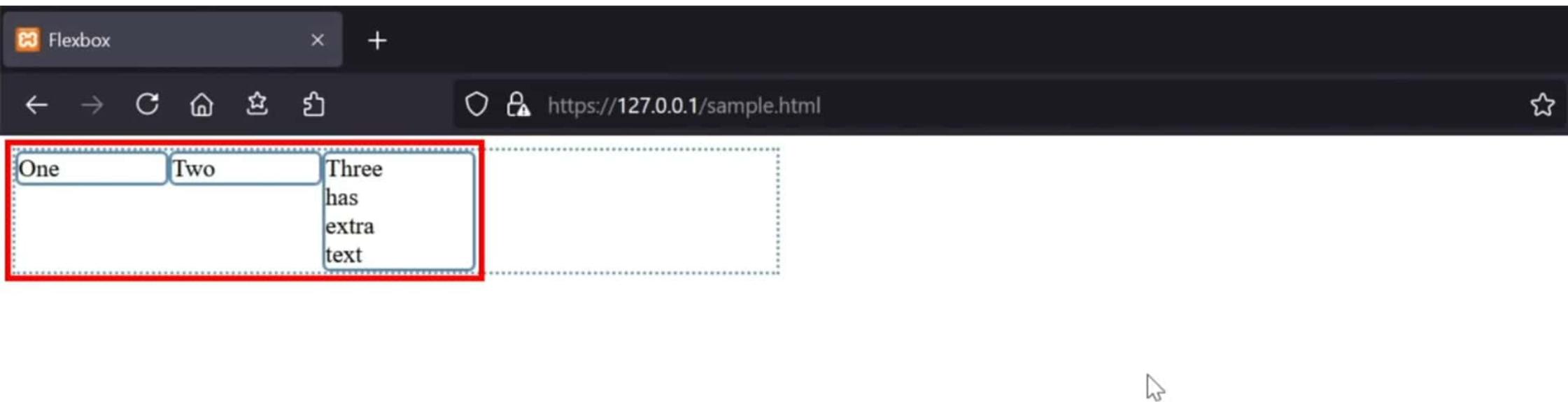
HTML code

```
..> xampp > htdocs > sample.html > ...
1  <html>
2    <head>
3      <title>Flexbox</title>
4      <link rel="stylesheet" href="css/style.css"/>
5    </head>
6    <body>
7      <div class="box">
8        <div class="one">One</div>
9        <div class="two">Two</div>
10       <div class="three">Three
11         <br>has
12         <br>extra
13         <br>text
14       </div>
15     </div>
16   </body>
17 </html>
```

CSS code

```
C: > xampp > htdocs > css > # style.css > .box
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9    align-items: flex-start;
10 }
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 1 100px;
17 }
18 .two {
19   flex: 0 1 100px;
20 }
21 .three {
22   flex: 0 1 100px;
23 }
```

Internshala Trainings



Internshala Trainings

HTML code

```
C:\xampp\htdocs\sample.html>...
1 <html>
2   <head>
3     <title>Flexbox</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div class="box">
8       <div class="one">One</div>
9       <div class="two">Two</div>
10      <div class="three">Three
11        <br>has
12        <br>extra
13        <br>text
14      </div>
15    </div>
16  </body>
17</html>
```

CSS code

```
C:\xampp\htdocs\css># style.css> .box
1 * {
2   box-sizing: border-box;
3 }
4 .box {
5   border: dotted 2px #rgb(96, 139, 168);
6   width: 500px;
7   display: flex;
8   flex-flow: row nowrap;
9   align-items: flex-end;
10}
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 1 100px;
17 }
18 .two {
19   flex: 0 1 100px;
20 }
21 .three {
22   flex: 0 1 100px;
23 }
```

Internshala Trainings



Internshala Trainings

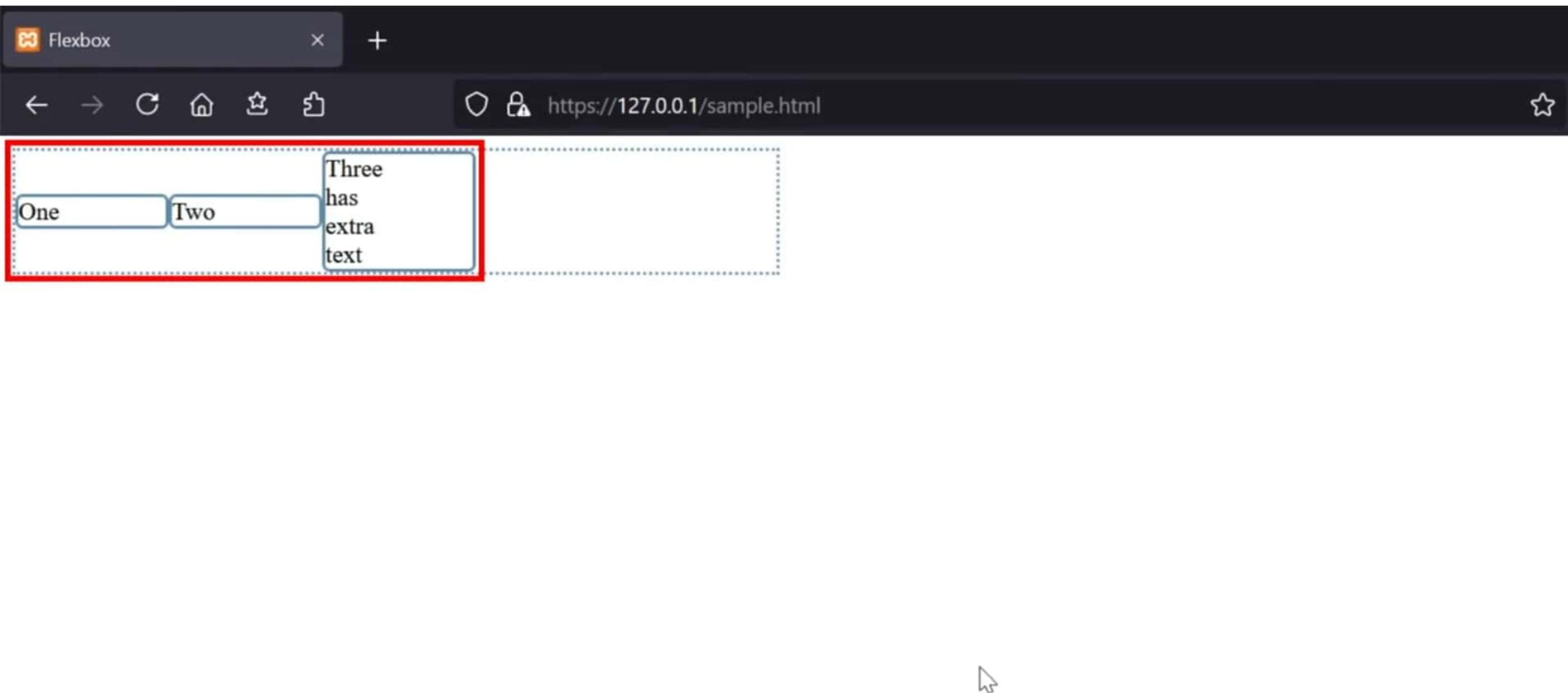
HTML code

```
C:\xampp>htdocs>sample.html>...
1 <html>
2   <head>
3     <title>Flexbox</title>
4     <link rel="stylesheet" href="css/style.css"/>
5   </head>
6   <body>
7     <div class="box">
8       <div class="one">One</div>
9       <div class="two">Two</div>
10      <div class="three">Three
11        <br>has
12        <br>extra
13        <br>text
14      </div>
15    </div>
16  </body>
17</html>
```

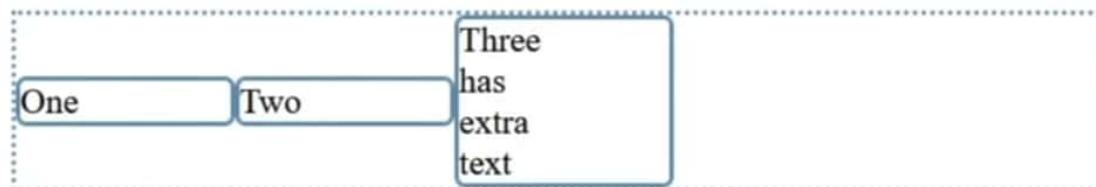
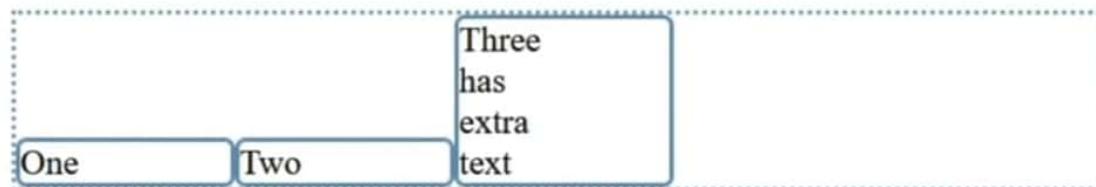
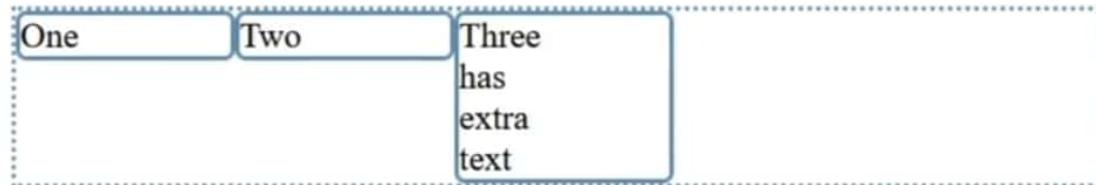
CSS code

```
C:\xampp>htdocs>css># style.css>...
1 * {
2   box-sizing: border-box;
3 }
4 .box {
5   border: dotted 2px #rgb(96, 139, 168);
6   width: 500px;
7   display: flex;
8   flex-flow: row nowrap;
9   align-items: center;
10 }
11 .box > div {
12   border: solid 2px #rgb(96, 139, 168);
13   border-radius: 5px;
14 }
15 .one {
16   flex: 0 1 100px;
17 }
18 .two {
19   flex: 0 1 100px;
20 }
21 .three {
22   flex: 0 1 100px;
23 }
```

Internshala Trainings



Internshala Trainings



Internshala Trainings



self-align

- It is applied to individual flex items.
- It has 4 values: stretch, flex-start, flex-end and center.
- Its default value is stretch.

HTML code

```
C:\>xampp>htdocs>sample.html>html>body>div.box  
1 <html>  
2   <head>  
3     <title>Flexbox</title>  
4     <link rel="stylesheet" href="css/style.css"/>  
5   </head>  
6   <body>  
7     <div class="box">  
8       <div class="one">One</div>  
9       <div class="two">Two</div>  
10      <div class="three">Three  
11        <br>has  
12        <br>extra  
13        <br>text  
14      </div>  
15    </div>  
16  </body>  
17</html>  
18
```

CSS code

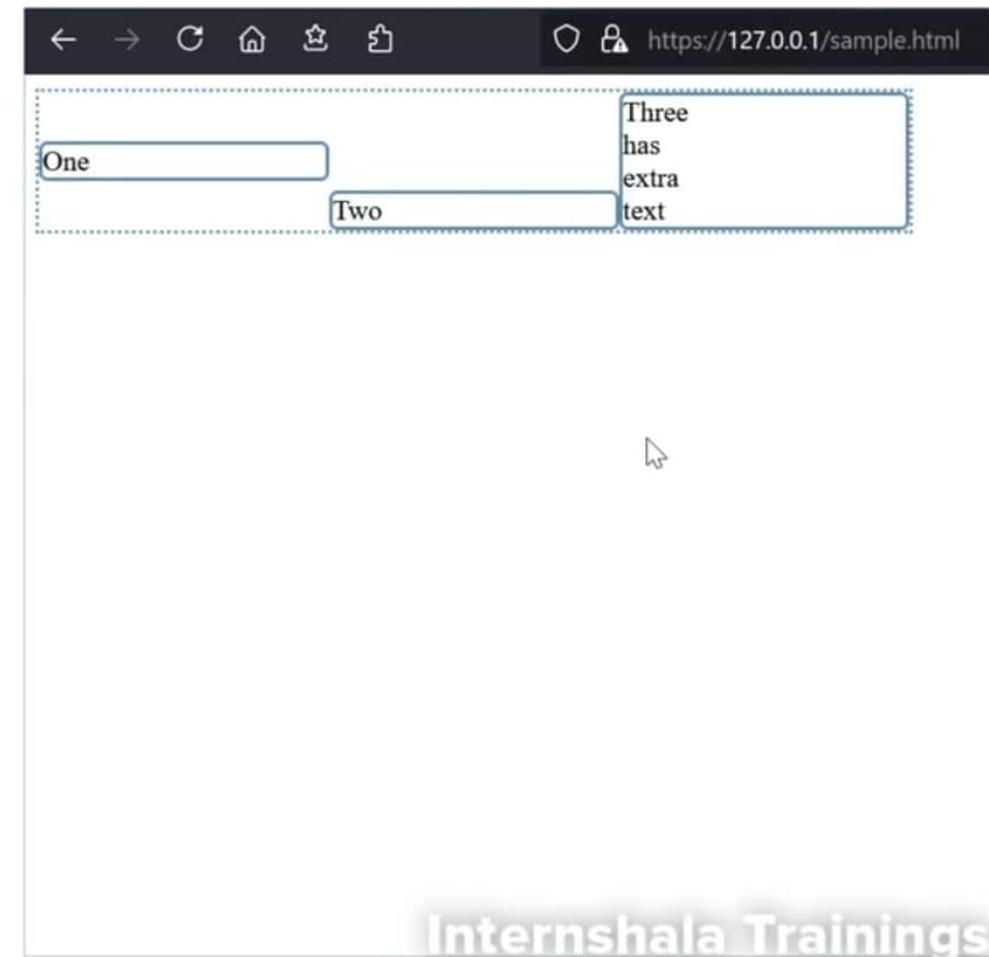
```
C:\>xampp>htdocs>css>#style.css>...  
1 * {  
2   box-sizing: border-box;  
3 }  
4 .box {  
5   border: dotted 2px #rgb(96, 139, 168);  
6   width: 500px;  
7   display: flex;  
8   flex-flow: row nowrap;  
9 }  
10 .box > div {  
11   border: solid 2px #rgb(96, 139, 168);  
12   border-radius: 5px;  
13 }  
14 .one {  
15   flex: 0 1 200px;  
16   align-self: center;  
17 }  
18 .two {  
19   flex: 0 1 200px;  
20   align-self: flex-end;  
21 }  
22 .three {  
23   flex: 0 1 200px;  
24 }  
25 |
```

Internshala Trainings

CSS code

```
C: > xampp > htdocs > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 1 200px;
16   align-self: center;
17 }
18 .two {
19   flex: 0 1 200px;
20   align-self: flex-end;
21 }
22 .three {
23   flex: 0 1 200px;
24 }
25 |
```

Output

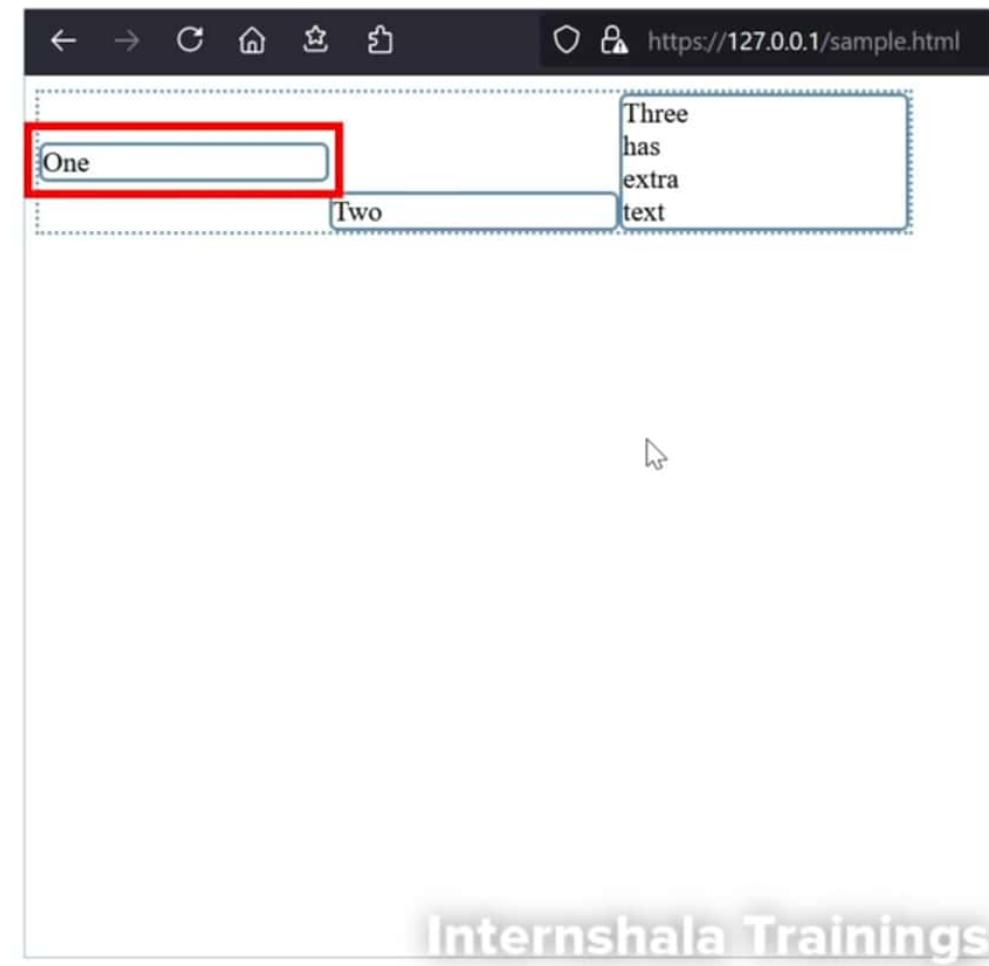


Internshala Trainings

CSS code

```
C:\xampp>htdocs>css># style.css> ...
1 * {
2     box-sizing: border-box;
3 }
4 .box {
5     border: dotted 2px #rgb(96, 139, 168);
6     width: 500px;
7     display: flex;
8     flex-flow: row nowrap;
9 }
10 .box > div {
11     border: solid 2px #rgb(96, 139, 168);
12     border-radius: 5px;
13 }
14 .one {
15     flex: 0 1 200px;
16     align-self: center;
17 }
18 .two {
19     flex: 0 1 200px;
20     align-self: flex-end;
21 }
22 .three {
23     flex: 0 1 200px;
24 }
25 |
```

Output

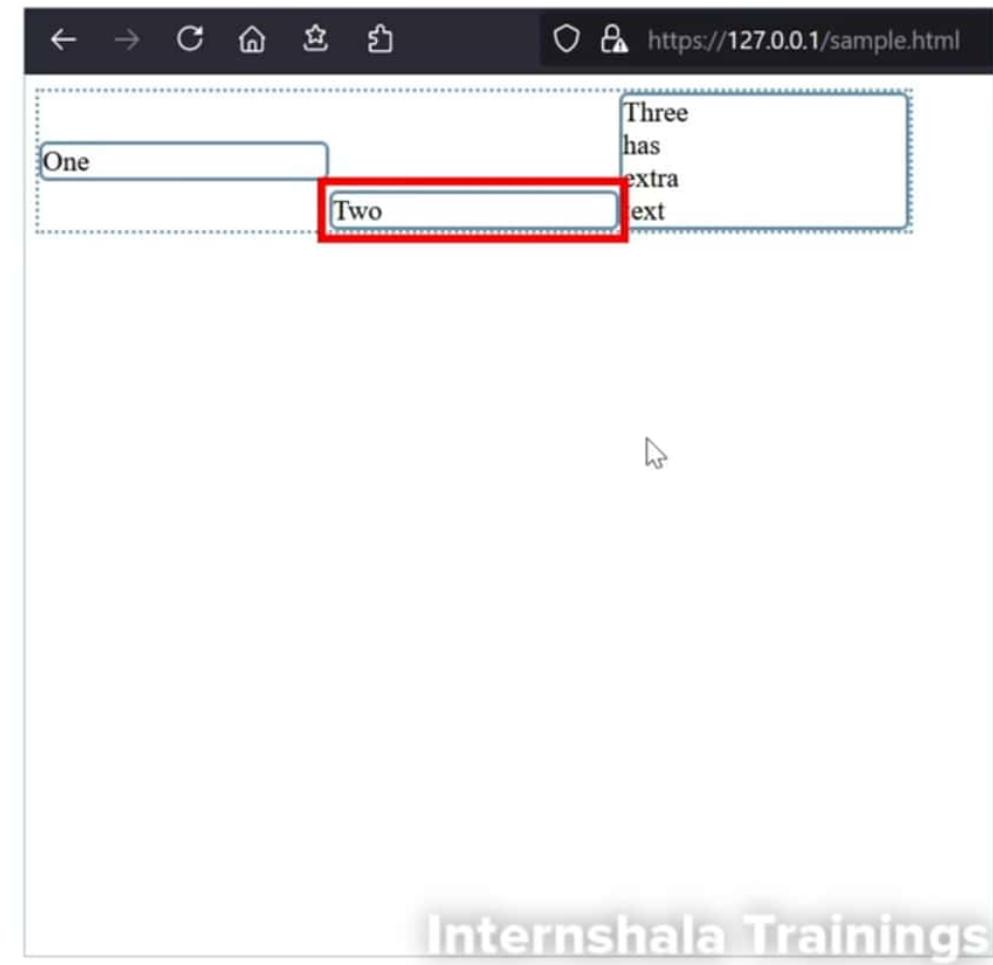


Internshala Trainings

CSS code

```
C: > xampp > htdocs > css > # style.css > ...
1  * {
2    box-sizing: border-box;
3  }
4  .box {
5    border: dotted 2px #rgb(96, 139, 168);
6    width: 500px;
7    display: flex;
8    flex-flow: row nowrap;
9  }
10 .box > div {
11   border: solid 2px #rgb(96, 139, 168);
12   border-radius: 5px;
13 }
14 .one {
15   flex: 0 1 200px;
16   align-self: center;
17 }
18 .two {
19   flex: 0 1 200px;
20   align-self: flex-end;
21 }
22 .three {
23   flex: 0 1 200px;
24 }
25 |
```

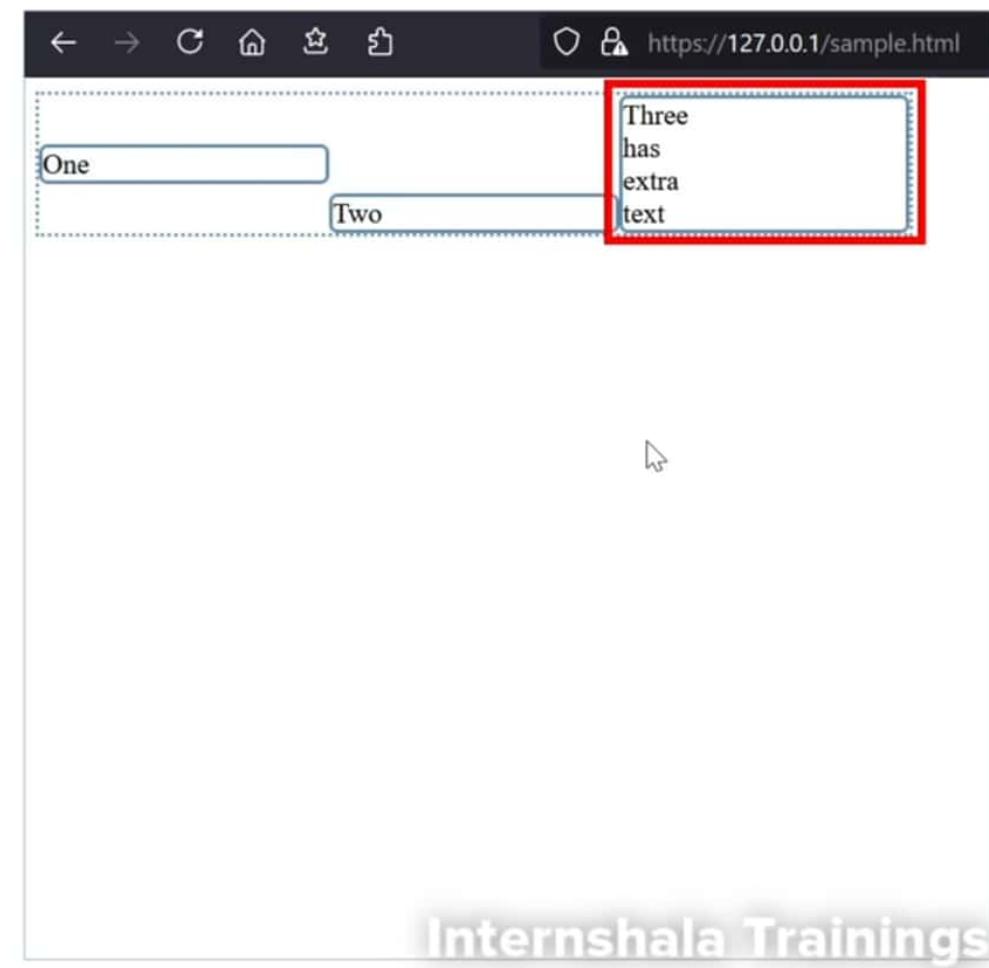
Output



CSS code

```
C:\xampp>htdocs>css># style.css> ...
1 * {
2     box-sizing: border-box;
3 }
4 .box {
5     border: dotted 2px #rgb(96, 139, 168);
6     width: 500px;
7     display: flex;
8     flex-flow: row nowrap;
9 }
10 .box > div {
11     border: solid 2px #rgb(96, 139, 168);
12     border-radius: 5px;
13 }
14 .one {
15     flex: 0 1 200px;
16     align-self: center;
17 }
18 .two {
19     flex: 0 1 200px;
20     align-self: flex-end;
21 }
22 .three {
23     flex: 0 1 200px;
24 }
25 |
```

Output



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Properties associated with flexbox:

- display-flex
- flex-direction
- flex-basis
- flex-grow
- flex-shrink
- flex
- flex-wrap
- flex-flow
- justify-content
- align-items
- align-self

Module 2 > Topic 11 > Video 1

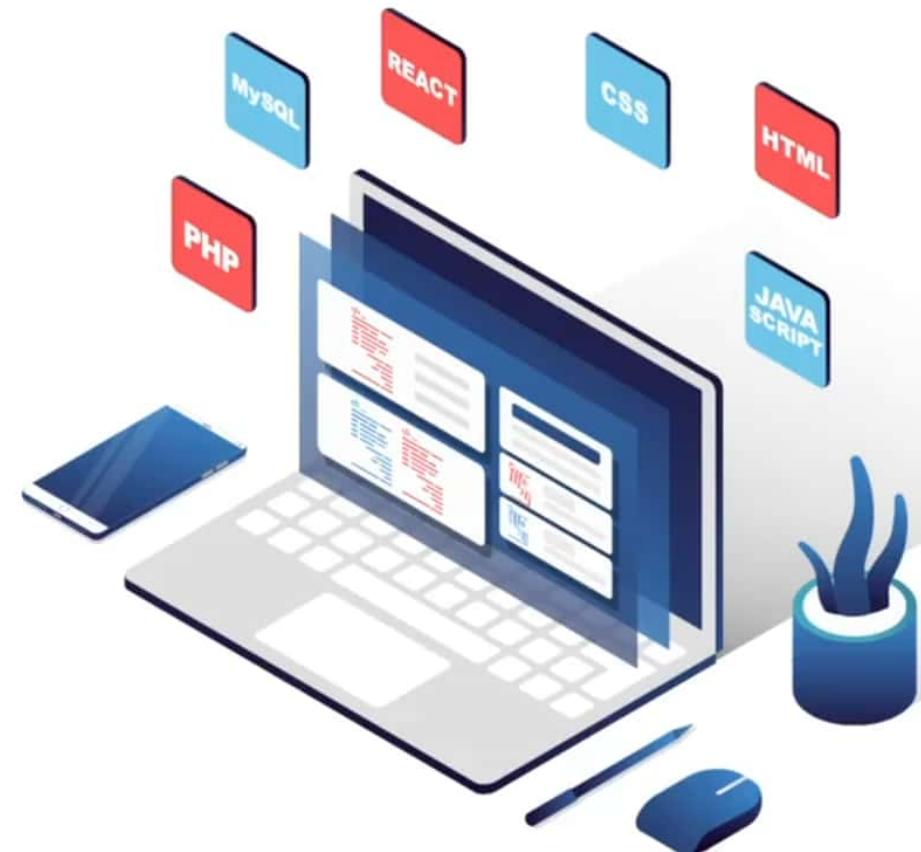
Creating a Responsive Website



Internshala Trainings

Module 2 > Topic 11 > Video 1

Creating a Responsive Website



Internshala Trainings

Learning objectives

- Explain what is a responsive website.
- Create a web page for responsive websites.
- Explain viewport.
- Explain media queries.

Laptop



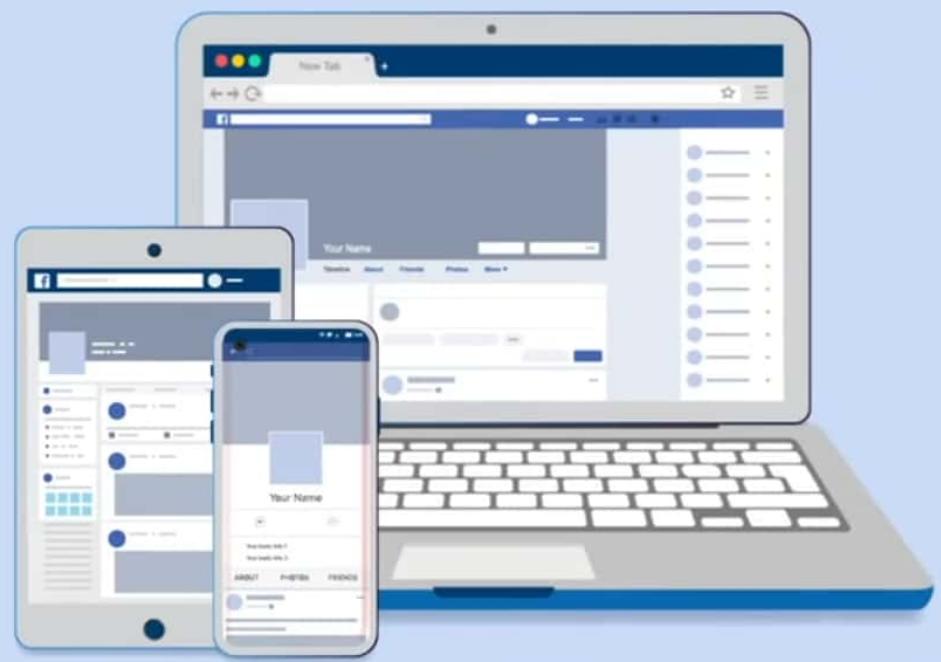
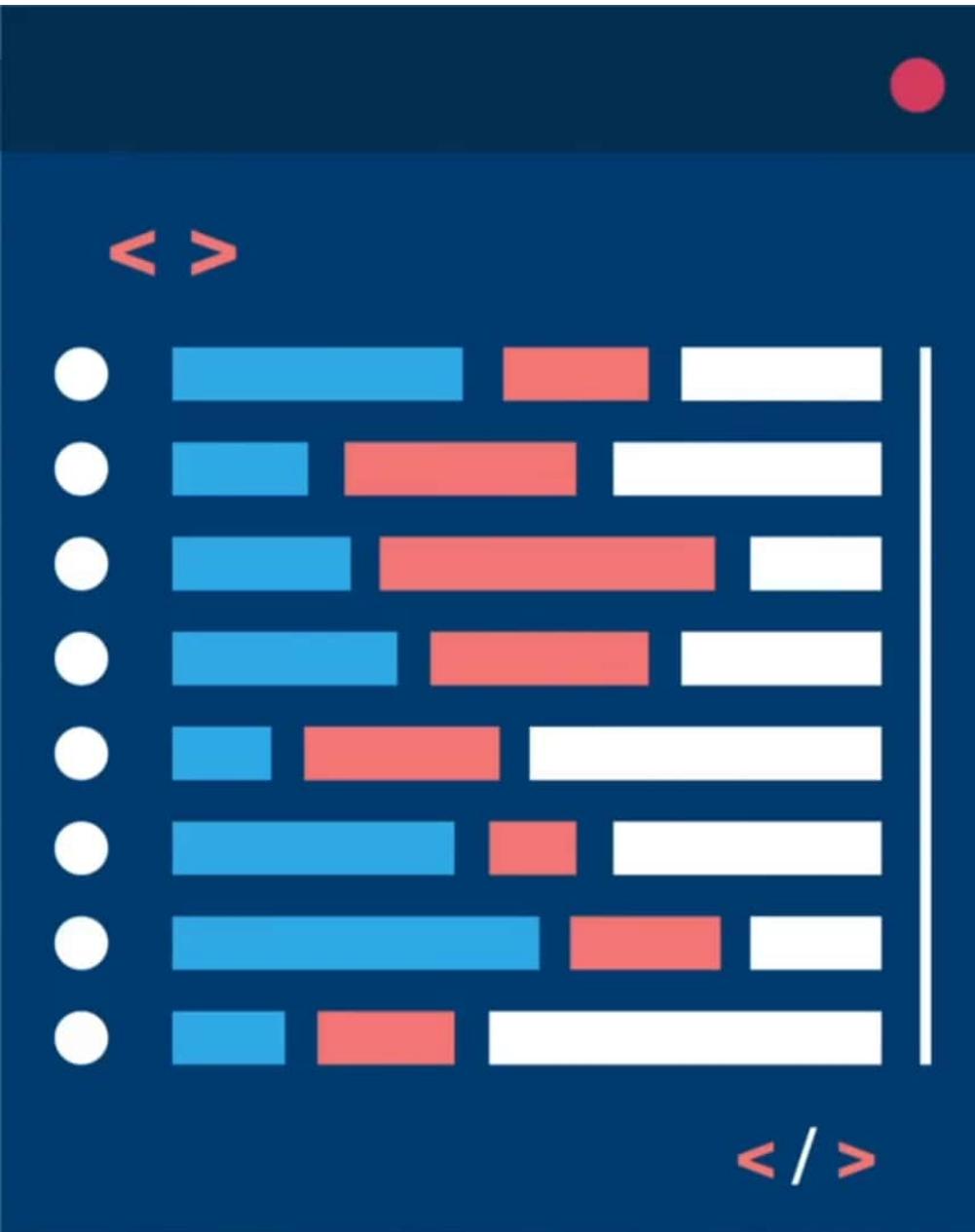
Mobile



Tablet



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Responsive website

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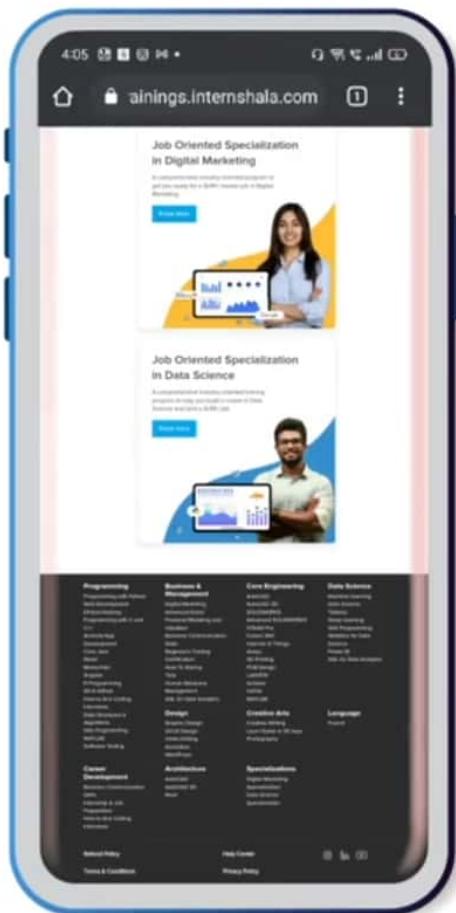
Non-responsive website

Internshala Trainings

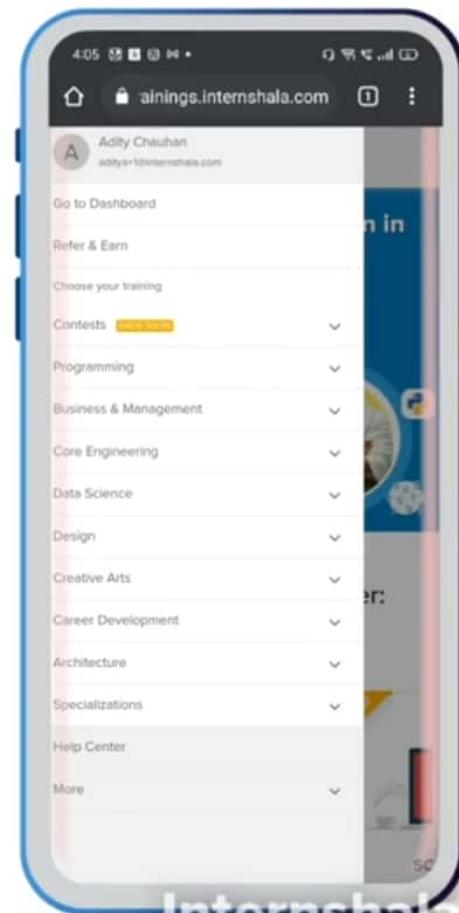


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Non-responsive website



Responsive website



Internshala Trainings

Physical resolution



1366 x 768 px

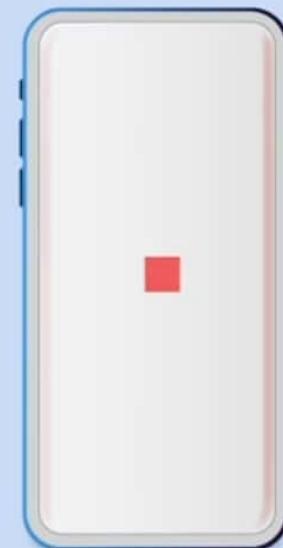
Physical resolution



1080 x 1920 px

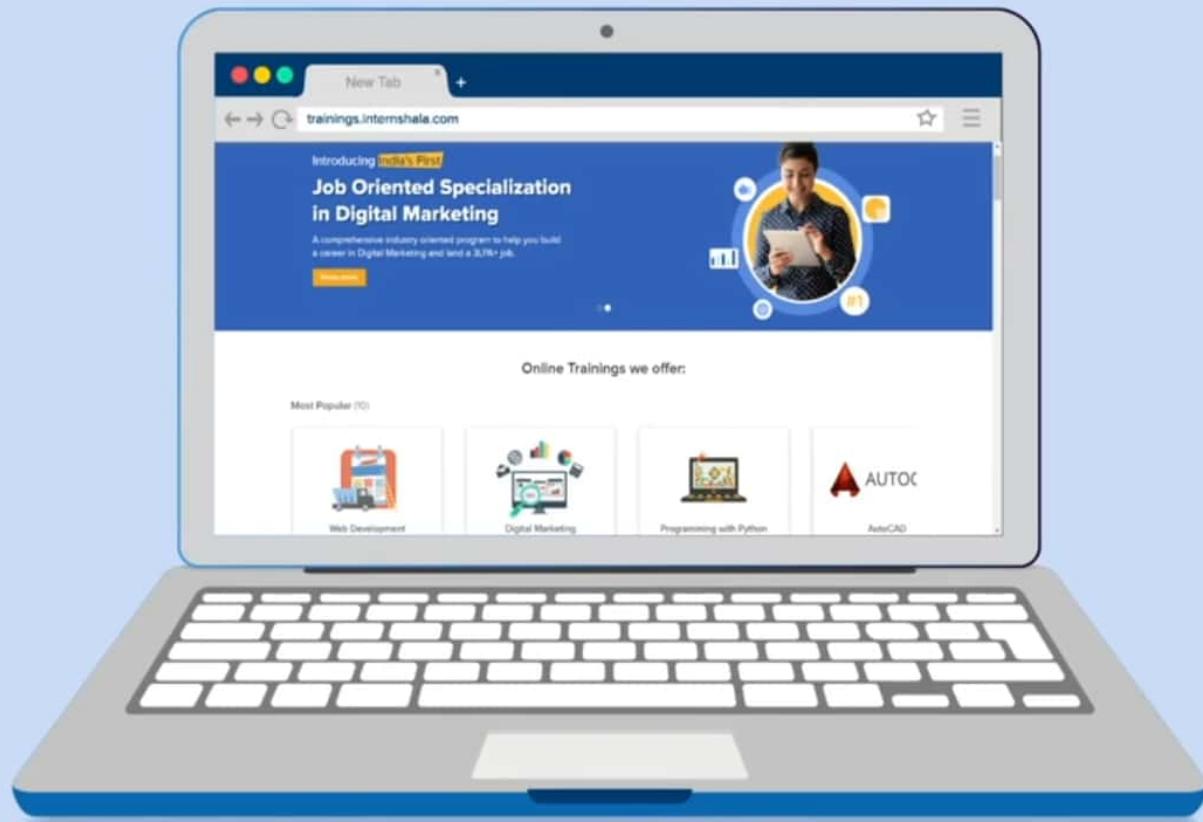
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Logical resolution

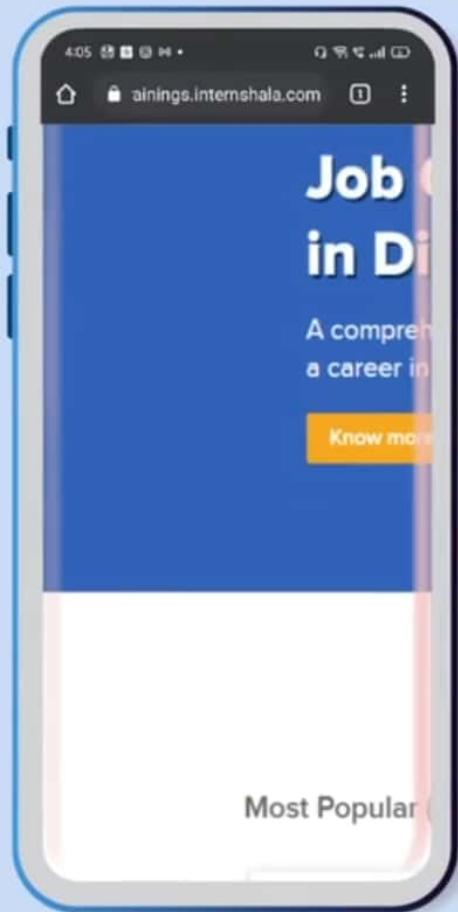


360 x 640 px

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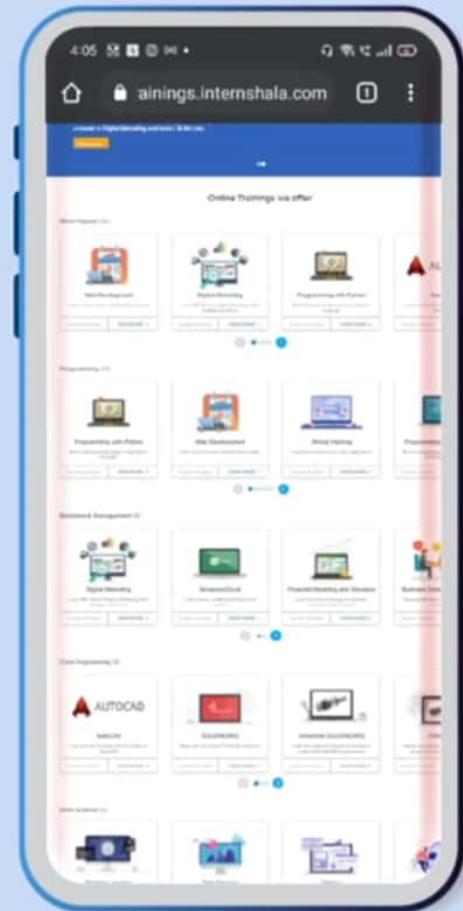


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Website for laptop

Internshala Trainings

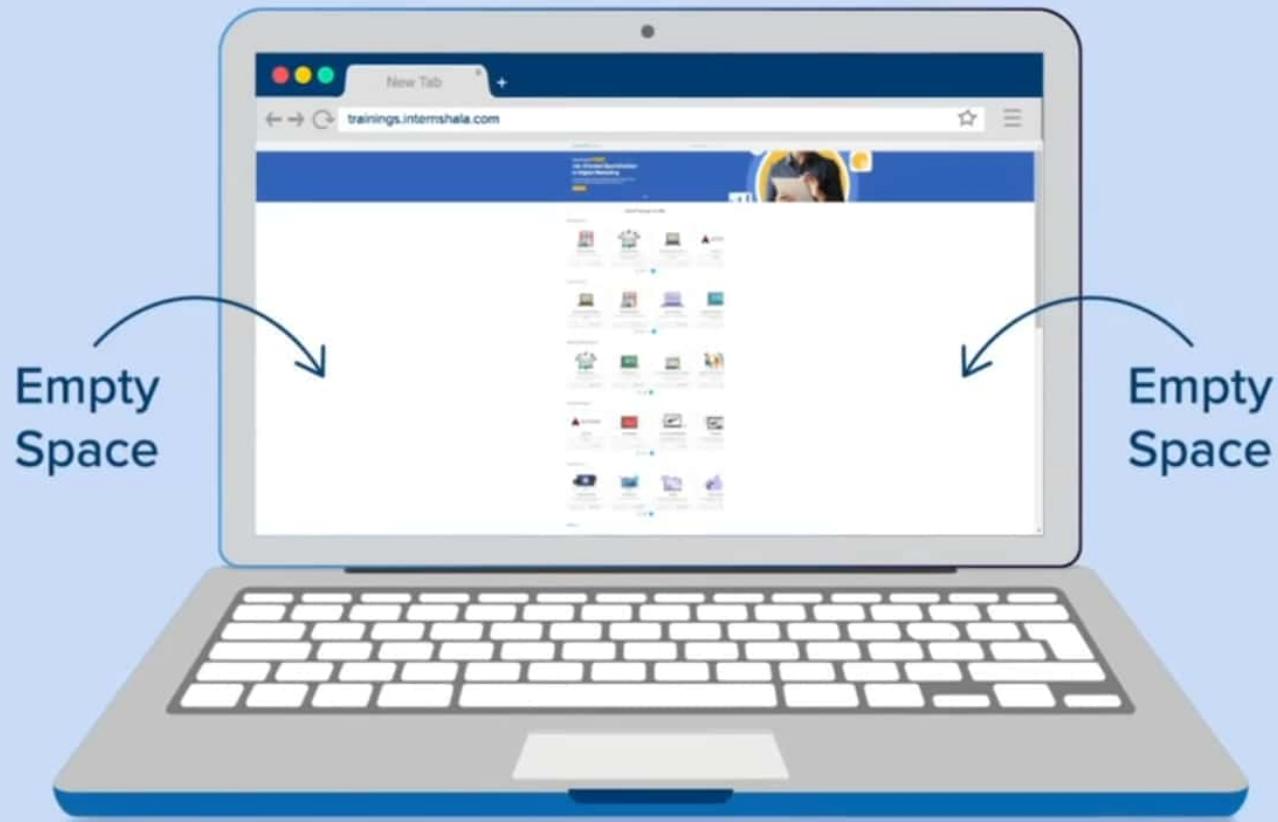


Internshala Trainings

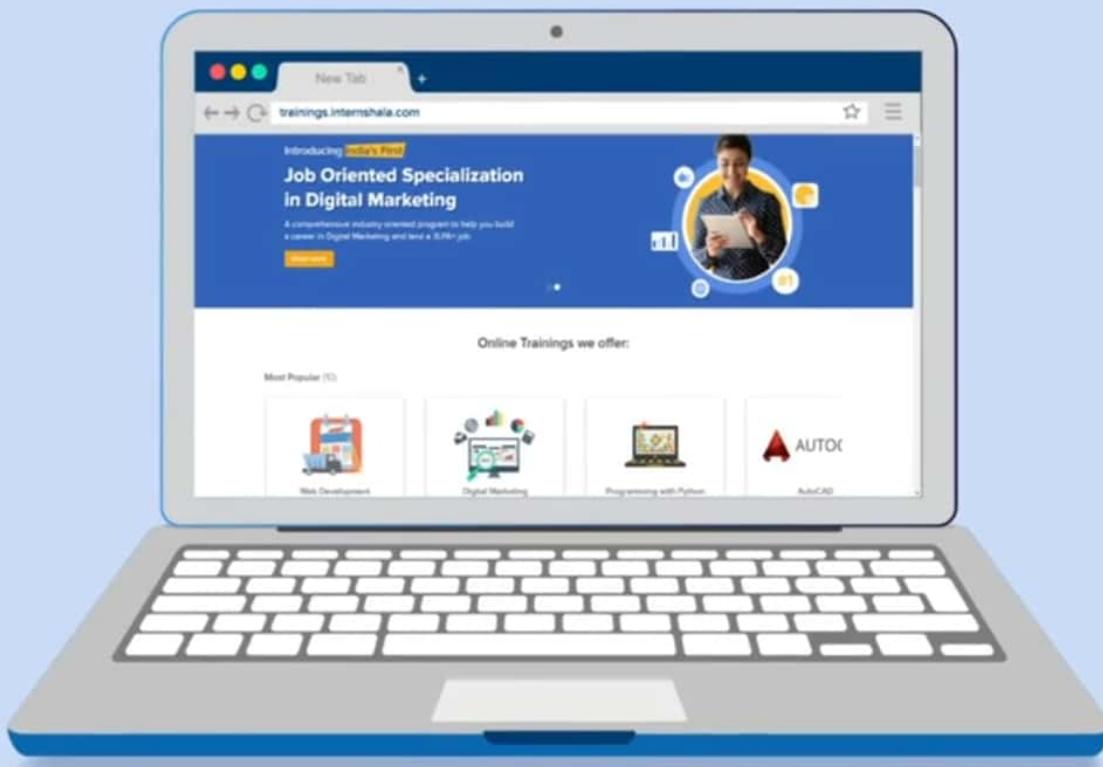


Website for mobile device

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Internshala Trainings

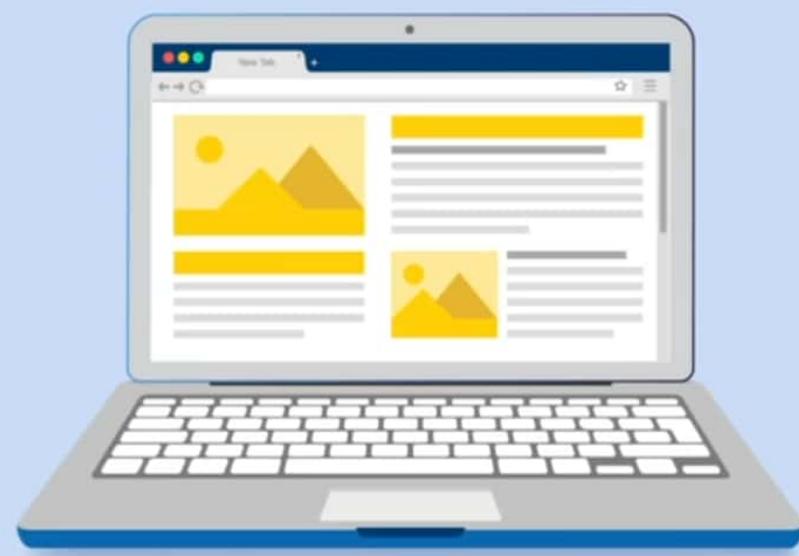


Internshala Trainings

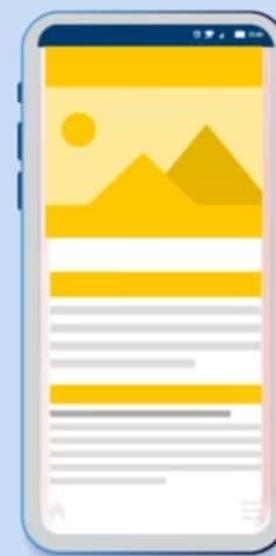
Exercise

- Open trainings.internshala.com on mobile's chrome browser.
- Select three dots at the top right corner and select the checkbox 'Desktop site'.

Design for laptop



Design for mobile

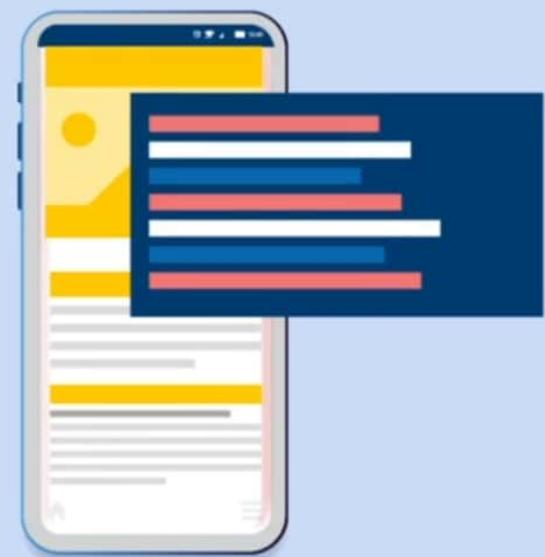


Internshala Trainings

Design for laptop



Design for mobile



Internshala Trainings

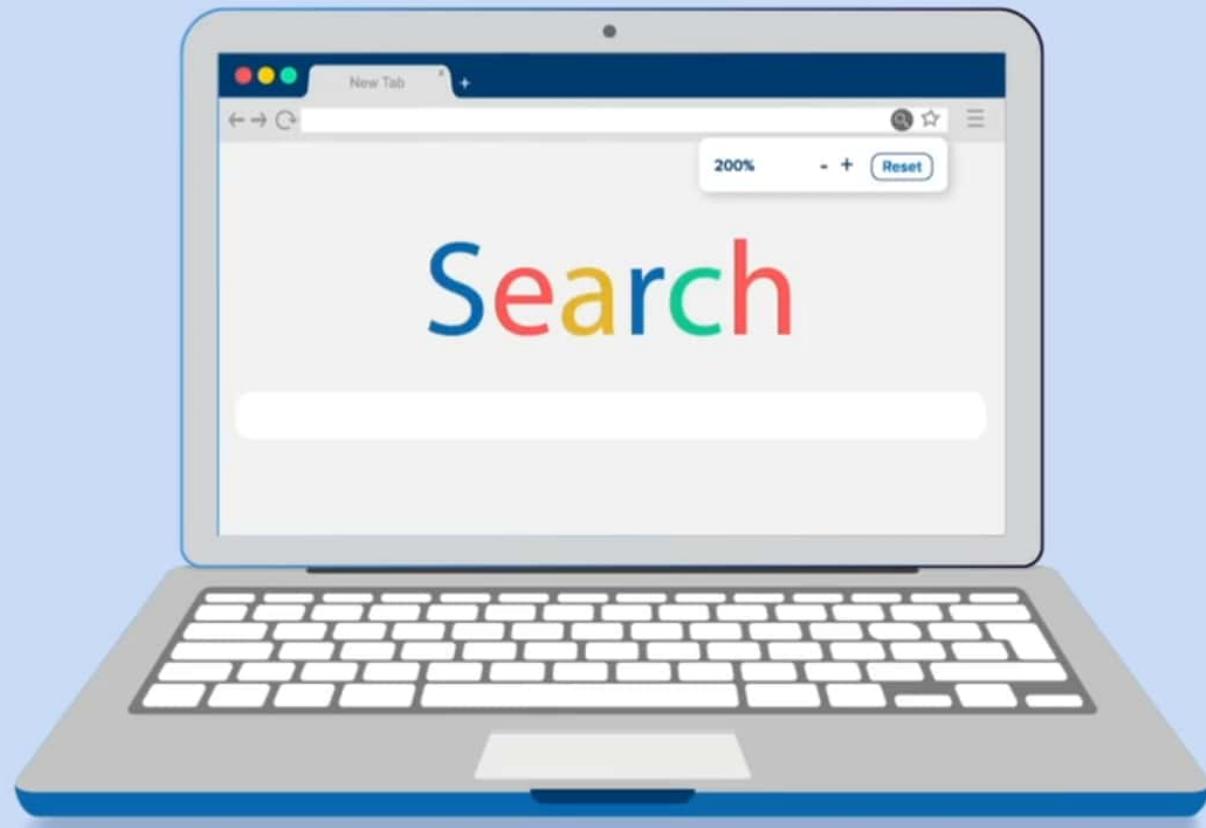


Viewport

Internshala Trainings

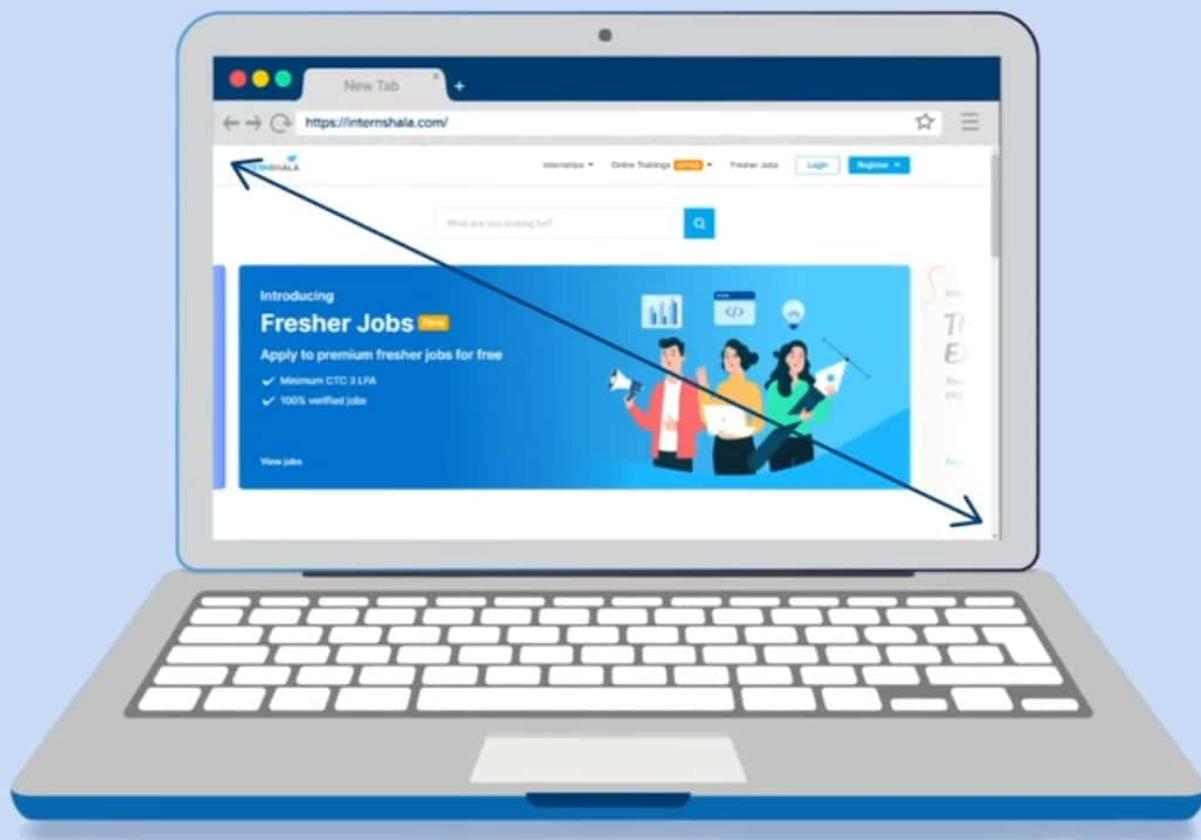


Internshala Trainings



Internshala Trainings

1366 x 768



Internshala Trainings



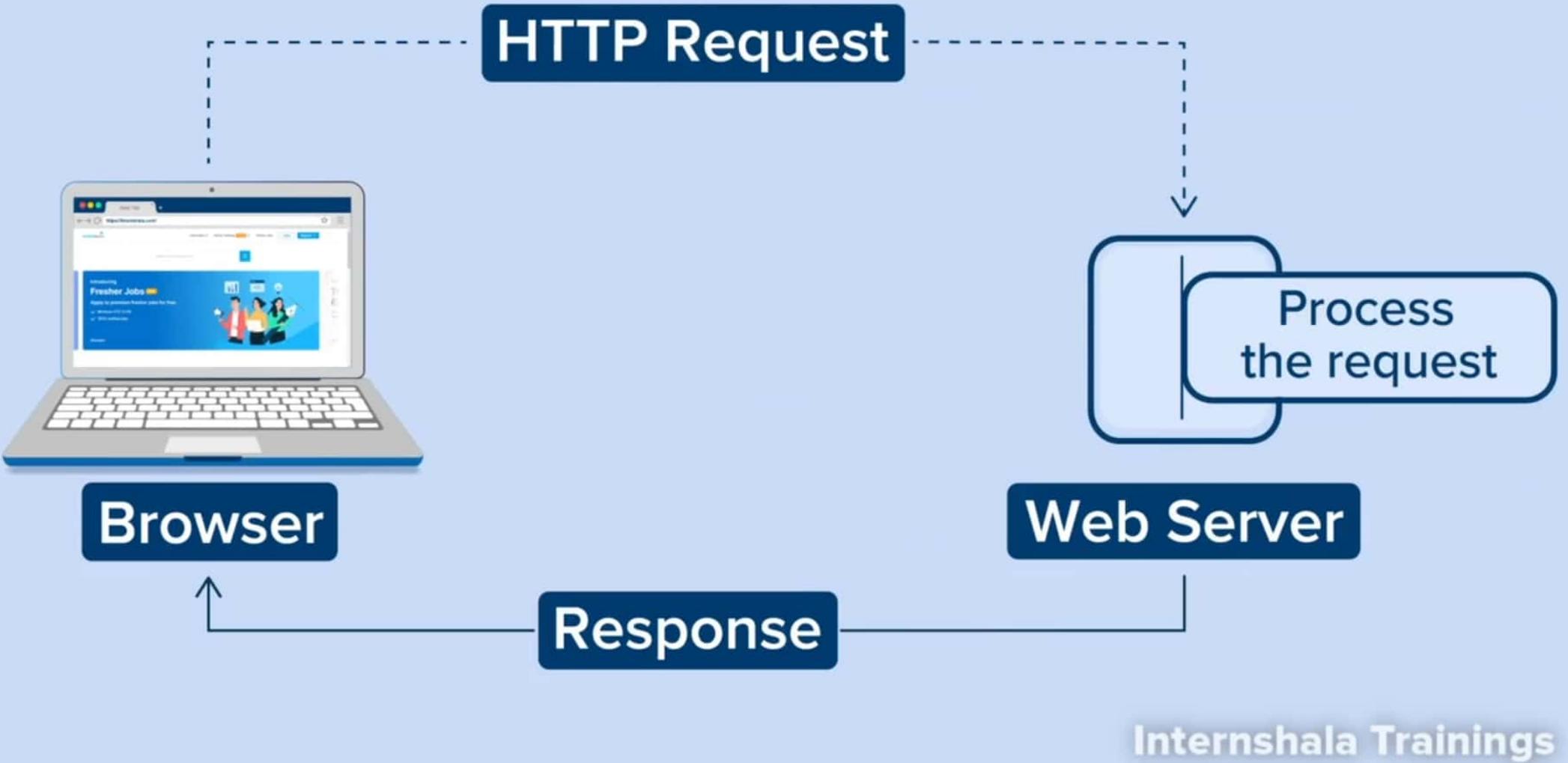
1366x768

1920x1200

1600x900

1920x1080

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Media queries

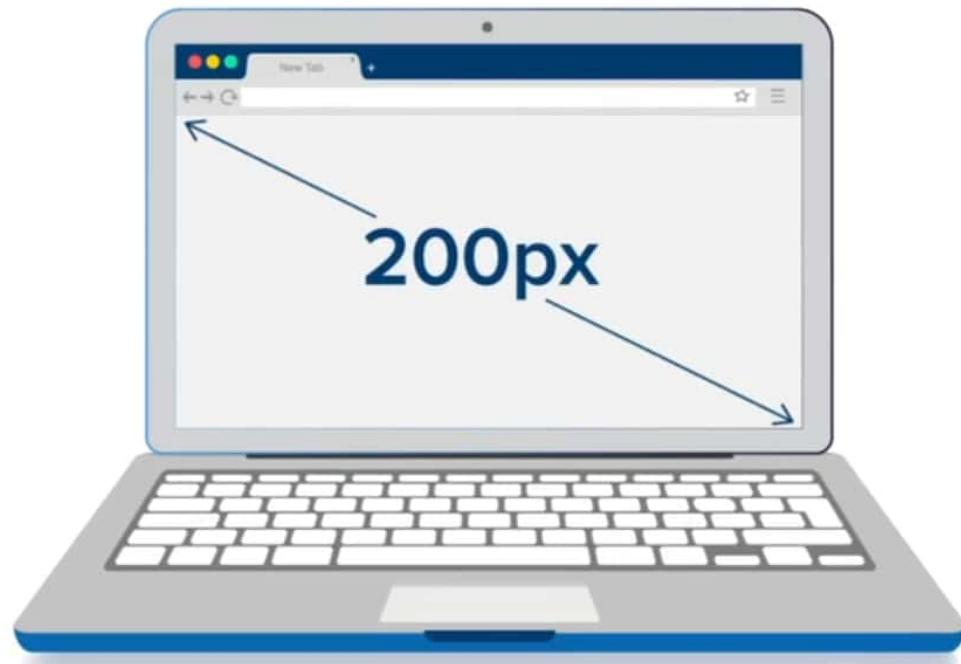
The browser will include a block of CSS properties only if a certain condition is true.

```
@media (max-width: 600px) {  
    body {  
        font-size: 14px;  
    }  
    .logo {  
        width: 200px;  
    }  
}
```

Internshala Trainings

```
@media (max-width: 600px) {  
    body {  
        font-size: 14px;  
    }  
    .logo {  
        width: 200px;  
    }  
}
```

- ⌚ What will happen if the viewport width is less than 200px?



Internshala Trainings

- ⌚ What will happen if the viewport width is less than 200px?

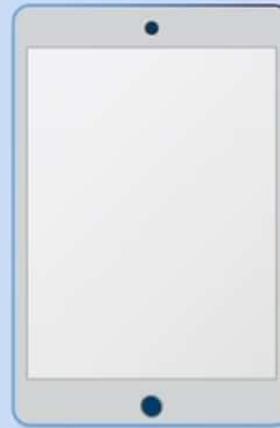


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Note: CSS written outside any media rule block is applicable for all viewports unless overridden later by some media rule.



Width of logo = 200px



Width of logo = 300px

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```
.logo {  
    width: 300px;  
}  
@media (max-width: 600px) {  
    .logo {  
        width: 200px;  
    }  
}
```

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- **Mobile** - @media (max-width: 600px)
- **Tablet** - @media (max-width: 1000px) and (min-width:600px)
- **Laptop** - @media (min-width: 1000px)

```
.logo {  
    width: 300px;  
}  
@media (max-width: 600px) {  
    .logo {  
        width: 200px;  
    }  
}  
@media (max-width: 1000px) and (min-width: 600px) {  
    .logo {  
        width: 250px;  
    }  
}
```

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```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

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Up next --> Quiz



Internshala Trainings

Module 2 > Topic 12 > Video 1

Problem Statement

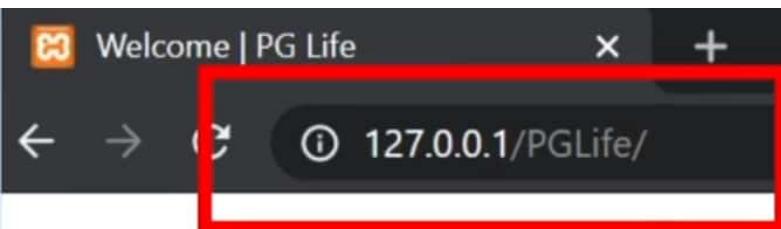


Internshala Trainings



Assignment

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The PG Life website homepage features a large banner image of four young people looking at a screen. Overlaid on the banner is the text "Happiness per Square Foot". Below the banner is a white search bar with the placeholder text "Enter your city to search for PGs". In the bottom right corner of the banner, there is a link that says "Internshala Trainings".

Welcome | PG Life

127.0.0.1/PGLife/

Signup Login

PG Life

Happiness per Square Foot

Enter your city to search for PGs

Major Cities

Internshala Trainings



Signup

Login

Happiness per Square Foot

Enter your city to search for PGs



Major Cities



Internshala Trainings

The screenshot shows the homepage of the PG Life website. At the top, there is a navigation bar with icons for home, search, and user profile, followed by the text "Welcome | PG Life". Below the navigation bar is a URL bar showing "127.0.0.1/PGLife/index.html". On the right side of the header are "Star" and "Incognito" buttons. The main content area features a background image of six diverse young people looking at documents or papers. Overlaid on this image is the text "Happiness per Square Foot" and a search bar with the placeholder "Enter your city to search for PGs" and a magnifying glass icon. In the top right corner, there are two buttons: "Signup" and "Login", both enclosed in red boxes. At the bottom left, there is a button labeled "Major Cities". At the bottom right, there is a button labeled "Internshala Trainings".

Welcome | PG Life

127.0.0.1/PGLife/index.html

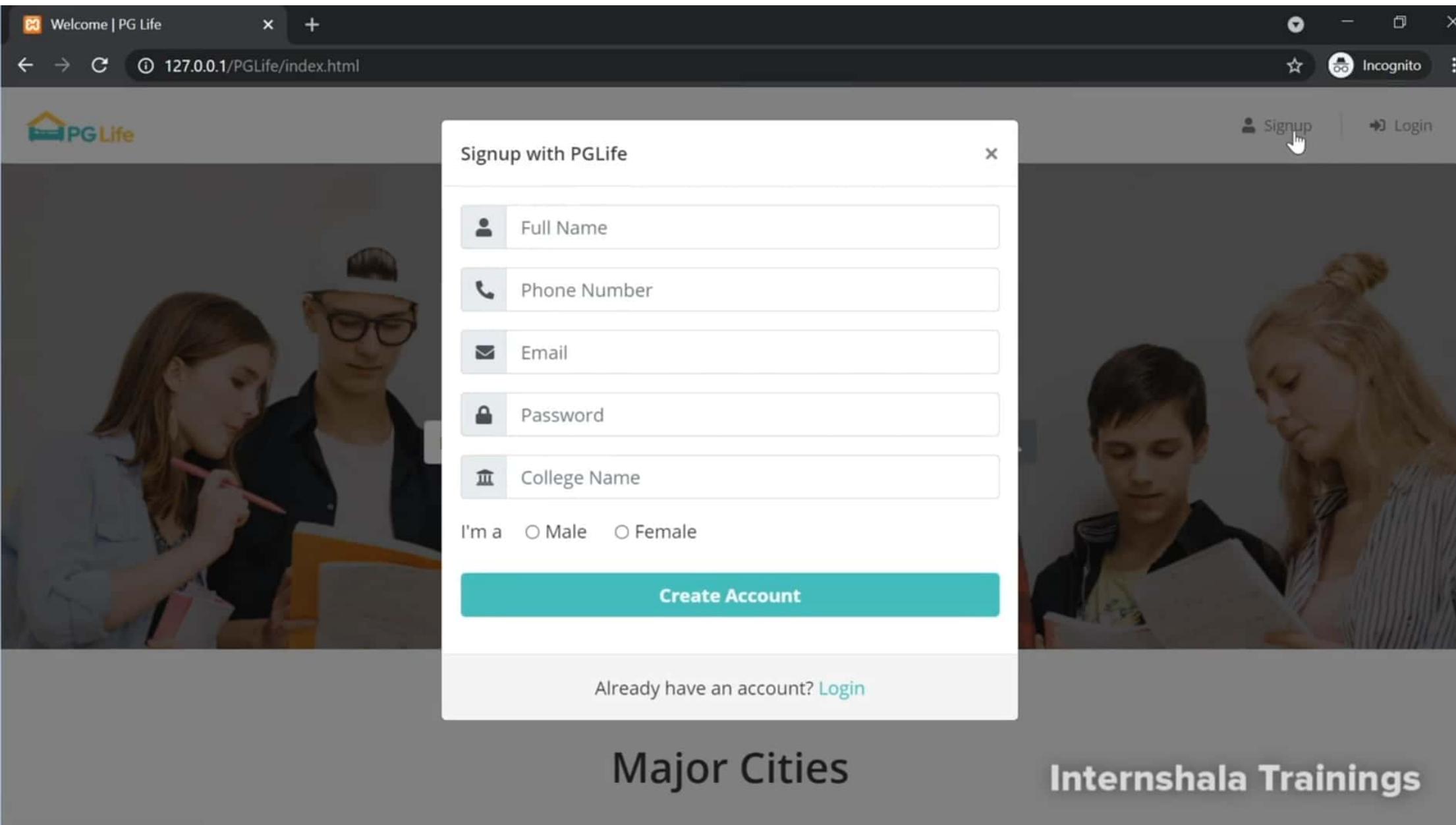
PG Life

Happiness per Square Foot

Enter your city to search for PGs

Major Cities

Internshala Trainings



Major Cities

Internshala Trainings



Signup

Login

Home / Mumbai



Filter



Highest rent first



Lowest rent first



Navkar Paying Guest

44, Juhu Scheme, Juhu, Mumbai, Maharashtra 400058



Rs 9,500/- per month



3 Interested

View



Ganpati Paying Guest

Police Beat, Sainath Complex, Besides, SV Rd, Daulat Nagar, Borivali East, Mumbai - 400066



6 Interested

Internshala Trainings



Police Beat, Sainath Complex, Besides, SV Rd, Daulat Nagar, Borivali East, Mumbai - 400066



Rs 8,500/- per month

[View](#)



2 Interested

PG for Girls Borivali West

Plot no.258/D4, Gorai no.2, Borivali West, Mumbai, Maharashtra 400092



Rs 8,000/- per month

[View](#)



[PG in Delhi](#)

[PG in Mumbai](#)

[PG in Bangalore](#)

[PG in Hyderabad](#)

Â© 20xx Copyright PG Life

Internshala Trainings



Hi, Aditya Sood

Dashboard

Logout

Home / Dashboard

My Profile



Aditya Sood

Internshala

[Edit Profile](#)

My Interested Properties



Internshala Trainings

The screenshot shows the homepage of PG Life. At the top left is the PG Life logo. On the right are 'Signup' and 'Login' buttons. A large banner image features several young people looking at papers, with the text 'Happiness per Square Foot' overlaid. Below the banner is a search bar with the placeholder 'Enter your city to search for PGs'. To the right of the search bar is a magnifying glass icon. The main content area has a heading 'Major Cities' followed by four circular icons representing 'DELHI', 'MUMBAI', 'BENGALURU', and 'HYDERABAD', each with a stylized building icon.

Home page

Internshala Trainings

PG Life

Riser Highest rent first Lowest rent first


Navkar Paying Guest
44, Juhu Scheme, Juhu, Mumbai, Maharashtra 400058
₹ 9,500/- per month
[View](#)


PG for Girls Borivali West
Plot no. 250/14, Gorei no. 2, Borivali West, Mumbai, Maharashtra 400092
₹ 8,000/- per month
[View](#)


Ganpati Paying Guest
Police Beat, Sanath Complex, Besides, SV Rd, Duleti Nagar, Borivali East, Mumbai - 400066
₹ 8,500/- per month
[View](#)

PG in Delhi PG in Mumbai PG in Bengaluru PG in Hyderabad

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Property list page

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The screenshot shows a property listing for "Navkar Paying Guest" on the PG Life website. At the top, there's a navigation bar with "PG Life" logo, "Logout", "Login", and "Sign up". Below the navigation is a breadcrumb trail: "HOME / MUMBAI / Navkar Paying Guest". The main image is a photograph of a room with dark wooden doors and yellow patterned curtains. Below the image is a 5-star rating icon and a heart icon labeled "1 person liked". The property name "Navkar Paying Guest" is displayed in bold, followed by the address "44, Juhu Scheme, Juhu, Mumbai, Maharashtra 400058". A small fire extinguisher icon is shown next. The price "₹ 9,500/- per month" is listed, along with a "Book Now" button. On the left and right sides of the main content area are large, semi-transparent arrows pointing left and right respectively.

PG Life

Logout | Login | Sign up

HOME / MUMBAI / Navkar Paying Guest

Amenities

Building	Common Area	Bedroom	Washroom
<input type="checkbox"/> Power Backup	<input type="checkbox"/> WiFi	<input type="checkbox"/> Bed with Mattress	<input type="checkbox"/> Geyser
<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> TV		
<input type="checkbox"/> Lift	<input type="checkbox"/> Water Purifier		
<input type="checkbox"/> CCTV	<input type="checkbox"/> Dining		
	<input type="checkbox"/> Washing Machine		

Property detail page

Internshala Trainings



Hi, himanshu

Dashboard

Logout

Home / Dashboard

My Profile



himanshu



Internshala

[Edit Profile](#)

PG in Delhi

PG in Mumbai

PG in Bangalore

PG in Hyderabad

© 2020 Copyright PG Life

Dashboard page

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Modal

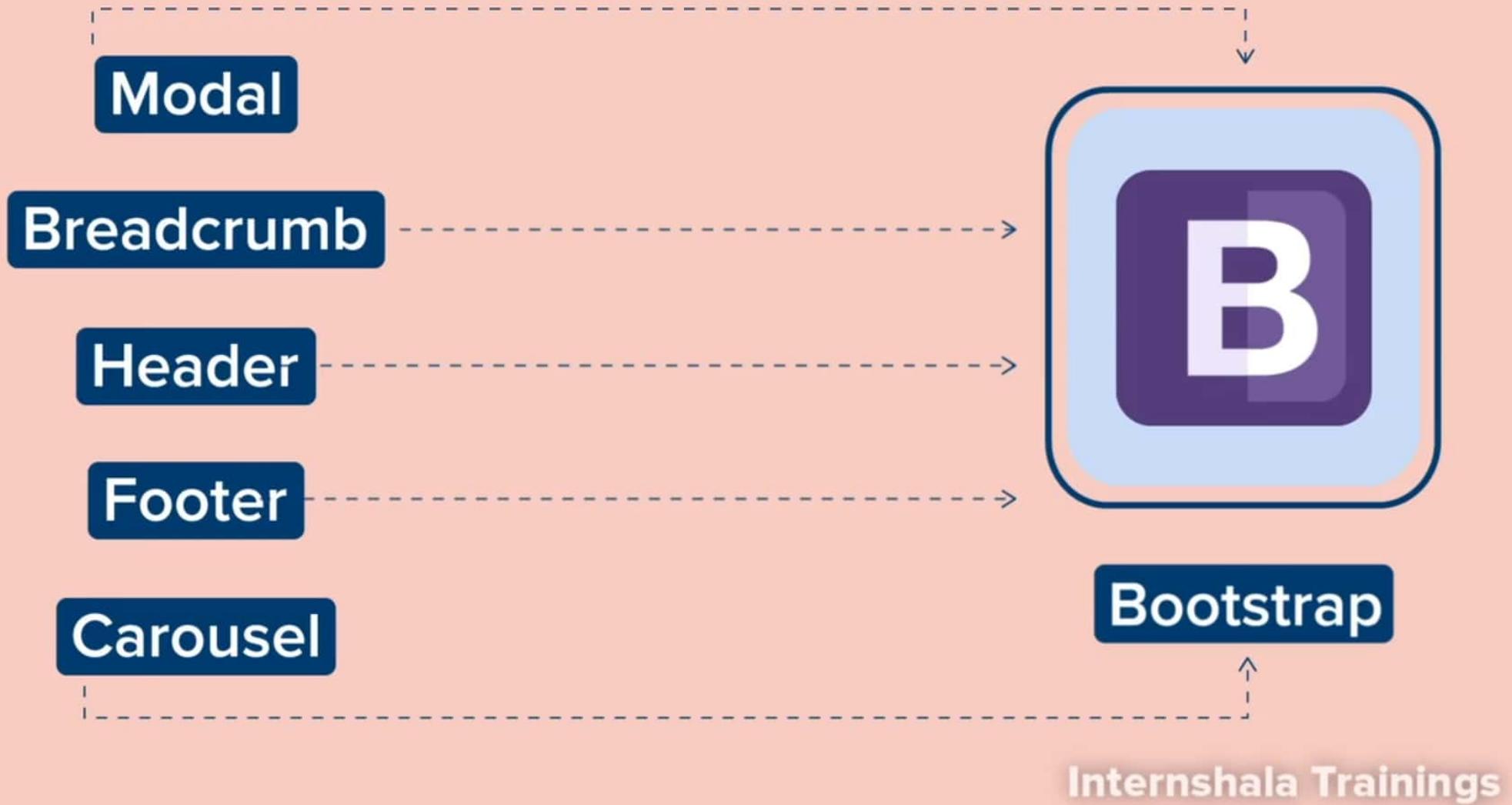
Breadcrumb

Header

Footer

Carousel

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My Interested Properties



★ ★ ★ ★ ★



Ganpati Paying Guest

Police Beat, Sainath Complex, Besides, SV Rd, Daulat Nagar, Borivali East, Mumbai - 400066



Rs 8,500/- per month

[View](#)



★ ★ ★ ★ ★



Navkar Paying Guest

44, Juhu Scheme, Juhu, Mumbai, Maharashtra 400058



Rs 9,500/- per month

[View](#)

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Back	Alt+Left Arrow
Forward	Alt+Right Arrow
Reload	Ctrl+R
Save as...	Ctrl+S
Print...	Ctrl+P
Cast...	
Translate to English	
View page source	Ctrl+U
Inspect	Ctrl+Shift+I

Module 3 > Topic 4 > Video 1

Assignment Solution



Internshala Trainings

File Edit Selection View Go Run Terminal Help

property_list.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

EXPLORER

OPEN EDITORS

- property_list.html
- property_detail.html

COMPLETE SOLUTION - MODULE 2 AND 3 ...

- css
- img
- js
- dashboard.html
- favicon.ico
- index.html
- property_detail.html
- property_list.html

property_list.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4     <head>
5         <meta name="viewport" content="width=device-width, initial-scale=1">
6         <title>Best PG's in Mumbai | PG Life</title>
7
8         <link href="css/bootstrap.min.css" rel="stylesheet" />
9         <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10        <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800" rel="stylesheet" />
11        <link href="css/common.css" rel="stylesheet" />
12        <link href="css/property_list.css" rel="stylesheet" />
13    </head>
14
15    <body>
16        <div class="header sticky-top">
17            <nav class="navbar navbar-expand-md navbar-light">
18                <a class="navbar-brand" href="index.html">
19                    
20                </a>
21                <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                    <span class="navbar-toggler-icon"></span>
23                </button>
24
25                <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                    <ul class="navbar-nav">
27                        <li class="nav-item">
28                            <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                                <i class="fas fa-user"></i>Signup
30                            </a>
31                        </li>
32                    </ul>
33                </div>
34            </nav>
35        </div>
36
37        <div class="container">
38            <div class="row">
39                <div class="col-12 col-md-6 mb-4">
40                    <div class="card border-0 shadow-sm h-100">
41                        <div class="card-body p-4">
42                            <div class="text-center">
43                                <img alt="Placeholder image for property listing" class="img-fluid mb-2" style="width: 100px; height: 100px;" data-bbox="350 100 650 200"/>
44                                <h3>Property Listing</h3>
45                                <p>Find your dream PG in Mumbai</p>
46                                <div class="d-grid gap-2 d-md-block">
47                                    <a href="#" class="btn btn-primary" data-bbox="350 250 650 300">View Details</a>
48                                </div>
49                            </div>
50                        </div>
51                    </div>
52                </div>
53            </div>
54        </div>
55
56        <div class="text-center mt-4">
57            <div class="d-grid gap-2 d-md-block">
58                <a href="#" class="btn btn-primary" data-bbox="350 450 650 500">View All Properties</a>
59            </div>
60        </div>
61
62    </body>
63</html>
```

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings



index.html X dashboard.html

> index.html > html > body

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title>welcome | PG Lite</title>
7
8      <link href="css/bootstrap.min.css" rel="stylesheet" />
9      <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10     <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&di
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                 <div class="nav-vl"></div>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html X dashboard.html

index.html > html > head > meta

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title>Welcome | PG Life</title>
7
8      <link href="css/bootstrap.min.css" rel="stylesheet" />
9      <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10     <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&di
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                 <div class="nav-vl"></div>
```

Ln 5, Col 73 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings

File Edit Selection View Go Run Terminal Help index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html X dashboard.html

index.html > html > head > title

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title>Welcome | PG Life</title>
7
8      <link href="css/bootstrap.min.css" rel="stylesheet" />
9      <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10     <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&display=swap" rel="stylesheet" />
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                 <div class="nav-vl"></div>
```

Ln 6, Col 37 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > head > link

```
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                     <div class="nav-vl"></div>
33                     <li class="nav-item">
34                         <a class="nav-link" href="#" data-toggle="modal" data-target="#login-modal">
35                             <i class="fas fa-sign-in-alt"></i>Login
36                         </a>
37                     </li>
38                 </ul>
39             </div>
40         </nav>
41     </div>
```

Internshala Trainings

Ln 12, Col 50 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.header.sticky-top

```
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                     <div class="nav-vl"></div>
33                     <li class="nav-item">
34                         <a class="nav-link" href="#" data-toggle="modal" data-target="#login-modal">
35                             <i class="fas fa-sign-in-alt"></i>Login
36                         </a>
37                     </li>
38                 </ul>
39             </div>
40         </nav>
41     </div>
42 
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.header.sticky-top > nav.navbar.navbar-expand-md.navbar-light > a.navbar-brand > img

```
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                     <div class="nav-vl"></div>
33                     <li class="nav-item">
34                         <a class="nav-link" href="#" data-toggle="modal" data-target="#login-modal">
35                             <i class="fas fa-sign-in-alt"></i>Login
36                         </a>
37                     </li>
38                 </ul>
39             </div>
40         </nav>
41     </div>
```

Internshala Trainings

Welcome | PG Life

127.0.0.1/PGLife/index.html

PG Life

Happiness per Square Foot

Enter your city to search for PGs



Major Cities



DELHI

Elements

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  ...<body> == $0
    ><div class="header sticky-top">...</div>
    ><div id="loading">
        </div>
    ><div class="banner-container">...</div>
    ><div class="page-container">...</div>
    ><div class="modal fade" id="signup-modal" tabindex="-1" role="dialog" aria-labelledby="signup-heading" aria-hidden="true">...</div>
    ><div class="modal fade" id="login-modal" tabindex="-1" role="dialog" aria-labelledby="login-heading" aria-hidden="true">...</div>
    ><div class="footer">...</div>
    <script type="text/javascript" src="js/jquery.js">
    </script>
    <script type="text/javascript" src="js/bootstrap.min.js">
    </script>
    <script type="text/javascript" src="js/common.js">
    </script>
    <script type="text/javascript" src="js/home.js">
    </script>
  </body>
</html>
```

Styles

Filter :hov .cls +

element.style {
}

body {
color: #373737;
font-size: 16px;
position: relative;
}

body {
margin: 0;
font-family: -apple-system,BlinkMacSystemFont,"Segoe UI",Roboto,"Helvetica Neue",Arial,"Noto Sans",sans-serif,"Apple Color Emoji","Segoe UI Emoji","Segoe UI Symbol","Noto Color Emoji";
font-size: 1rem;
font-weight: 400;
line-height: 1.5;
color: #212529;
text-align: left;
background-color: #fff;
}

* {
box-sizing: border-box;
font-family: 'Open Sans', sans-serif;
}
*, ::after, ::before {
box-sizing: border-box;
}
body {
display: block;
height: 100%;
width: 100%;
}

Inherited from html

Internshala Trainings

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.header.sticky-top > nav.navbar.navbar-expand-md.navbar-light > button.navbar-toggler

```
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/home.css" rel="stylesheet" />
13 </head>
14
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <li class="nav-item">
28                         <a class="nav-link" href="#" data-toggle="modal" data-target="#signup-modal">
29                             <i class="fas fa-user"></i>Signup
30                         </a>
31                     </li>
32                     <div class="nav-vl"></div>
33                     <li class="nav-item">
34                         <a class="nav-link" href="#" data-toggle="modal" data-target="#login-modal">
35                             <i class="fas fa-sign-in-alt"></i>Login
36                         </a>
37                     </li>
38                 </ul>
39             </div>
40         </nav>
41     </div>
```

Internshala Trainings

Ln 23, Col 22 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body

```
37         </li>
38     </ul>
39   </div>
40 </div>
41
42
43 <div id="loading">
44 </div>
45
46 <div class="banner-container">
47   <h2 class="white pb-3">Happiness per Square Foot</h2>
48
49   <form id="search-form">
50     <div class="input-group city-search">
51       <input type="text" class="form-control input-city" id='city' name='city' placeholder="Enter your city to search for PGS" />
52       <div class="input-group-append">
53         <button type="submit" class="btn btn-secondary">
54           <i class="fa fa-search"></i>
55         </button>
56       </div>
57     </div>
58   </form>
59 </div>
60
61 <div class="page-container">
62   <h1 class="city-heading">
63     Major Cities
64   </h1>
65   <div class="row">
66     <div class="city-card-container col-md">
67       <a href="property_list.html">
68         <img alt="Placeholder image for a city card" data-bbox="118 188 258 308" />
69         <div>
70           <h3>City Name</h3>
71           <p>Address: 123 Main St, City, State</p>
72           <p>Price: $123,456</p>
73           <p>Bedrooms: 3</p>
74           <p>Bathrooms: 2</p>
75           <p>Square Footage: 1,234</p>
76         </div>
77       </a>
78     </div>
79   </div>
80 </div>
```

Internshala Trainings

Ln 45, Col 1 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div#loading

```
37         
38     
39   
```

44

Internshala Trainings

Ln 43, Col 23 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.banner-container

```
37         </li>
38     </ul>
39   </div>
40 </nav>
41 </div>
42
43 <div id="loading">
44 </div>
45
46 <div class="banner-container">
47   <h2 class="white pb-3">Happiness per Square Foot</h2>
48
49   <form id="search-form">
50     <div class="input-group city-search">
51       <input type="text" class="form-control input-city" id='city' name='city' placeholder="Enter your city to search for PGS" />
52       <div class="input-group-append">
53         <button type="submit" class="btn btn-secondary">
54           <i class="fa fa-search"></i>
55         </button>
56       </div>
57     </div>
58   </form>
59 </div>
60
61 <div class="page-container">
62   <h1 class="city-heading">
63     Major Cities
64   </h1>
65   <div class="row">
66     <div class="city-card-container col-md">
67       <a href="property_list.html">
68         <img alt="Placeholder image for a city card" data-bbox="115 180 250 300" />
69         <div>
70           <h3>City Name</h3>
71           <p>Address: 123 Main St, City, State</p>
72           <p>Price: $1,234,567</p>
73           <p>Bedrooms: 3</p>
74           <p>Bathrooms: 2</p>
75           <p>Square Footage: 1,500</p>
76         </div>
77       </a>
78     </div>
79   </div>
80 </div>
```

Internshala Trainings

Ln 59, Col 11 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.banner-container

```
37         </li>
38     </ul>
39   </div>
40 </nav>
41 </div>
42
43 <div id="loading">
44 </div>
45
46 <div class="banner-container">
47   <h2 class="white pb-3">Happiness per Square Foot</h2>
48
49   <form id="search-form">
50     <div class="input-group city-search">
51       <input type="text" class="form-control input-city" id='city' name='city' placeholder="Enter your city to search for PGS" />
52       <div class="input-group-append">
53         <button type="submit" class="btn btn-secondary">
54           <i class="fa fa-search"></i>
55         </button>
56       </div>
57     </div>
58   </form>
59 </div>
60
61 <div class="page-container">
62   <h1 class="city-heading">
63     Major Cities
64   </h1>
65   <div class="row">
66     <div class="city-card-container col-md">
67       <a href="property_list.html">
68         <img alt="Placeholder image for a city card" data-bbox="188 188 258 258" />
69         <div>
70           <h3>City Name</h3>
71           <p>Address: 123 Main St, City, State</p>
72           <p>Price: $123,456</p>
73           <p>Bedrooms: 3</p>
74           <p>Bathrooms: 2</p>
75           <p>Square Footage: 1,234</p>
76         </div>
77       </a>
78     </div>
79   </div>
80 </div>
```

Ln 59, Col 11 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.banner-container > form#search-form > div.input-group.city-search > div.input-group-append > button.btn.btn-secondary

```
50     <div class="input-group city-search">
51         <input type="text" class="form-control input-city" id='city' name='city' placeholder="Enter your city to search for PGS" />
52         <div class="input-group-append">
53             <button type="submit" class="btn btn-secondary">
54                 <i class="fa fa-search"></i>
55             </button>
56         </div>
57     </div>
58 </form>
59 </div>
60
61 <div class="page-container">
62     <h1 class="city-heading">
63         Major Cities
64     </h1>
65     <div class="row">
66         <div class="city-card-container col-md">
67             <a href="property_list.html">
68                 <div class="city-card rounded-circle">
69                     
70                 </div>
71             </a>
72         </div>
73
74         <div class="city-card-container col-md">
75             <a href="property_list.html">
76                 <div class="city-card rounded-circle">
77                     
78                 </div>
79             </a>
80         </div>
81     </div>
```

Internshala Trainings

Ln 55, Col 30 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.page-container > h1.city-heading

```
50     <div class="input-group city-search">
51         <input type="text" class="form-control input-city" id='city' name='city' placeholder="Enter your city to search for PGs" />
52         <div class="input-group-append">
53             <button type="submit" class="btn btn-secondary">
54                 <i class="fa fa-search"></i>
55             </button>
56         </div>
57     </div>
58 </form>
59 </div>
60
61 <div class="page-container">
62     <h1 class="city-heading">
63         Major Cities
64     </h1>
65     <div class="row">
66         <div class="city-card-container col-md">
67             <a href="property_list.html">
68                 <div class="city-card rounded-circle">
69                     
70                 </div>
71             </a>
72         </div>
73
74         <div class="city-card-container col-md">
75             <a href="property_list.html">
76                 <div class="city-card rounded-circle">
77                     
78                 </div>
79             </a>
80         </div>
81     </div>
```

Ln 64, Col 14 Spaces: 4 UTF-8 CRLF HTML ⚙

Internshala Trainings

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.page-container > h1.city-heading

```
67     <a href="property_list.html">
68         <div class="city-card rounded-circle">
69             
70         </div>
71     </a>
72 </div>

73
74     <div class="city-card-container col-md">
75         <a href="property_list.html">
76             <div class="city-card rounded-circle">
77                 
78             </div>
79         </a>
80     </div>

81
82     <div class="city-card-container col-md">
83         <a href="property_list.html">
84             <div class="city-card rounded-circle">
85                 
86             </div>
87         </a>
88     </div>

89
90     <div class="city-card-container col-md">
91         <a href="property_list.html">
92             <div class="city-card rounded-circle">
93                 
94             </div>
95         </a>
96     </div>
97 </div>
98 </div>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div.page-container > h1.city-heading

```
Major Cities
63    </h1>
64    <div class="row">
65        <div class="city-card-container col-md">
66            <a href="property_list.html">
67                <div class="city-card rounded-circle">
68                    
69                </div>
70            </a>
71        </div>
72
73        <div class="city-card-container col-md">
74            <a href="property_list.html">
75                <div class="city-card rounded-circle">
76                    
77                </div>
78            </a>
79        </div>
80
81        <div class="city-card-container col-md">
82            <a href="property_list.html">
83                <div class="city-card rounded-circle">
84                    
85                </div>
86            </a>
87        </div>
88
89        <div class="city-card-container col-md">
90            <a href="property_list.html">
91                <div class="city-card rounded-circle">
92                    
93                </div>
94        </div>
```

Internshala Trainings

Ln 64, Col 14 Spaces: 4 UTF-8 CRLF HTML

Scanned with CamScanner

Welcome | PG Life

127.0.0.1/PGLife/index.html

PG Life

Signup Login

Elements Console Sources Network Performance Memory Application Security Lighthouse

Styles Computed Layout Event Listeners

Filter :hover .cls +

background-color: #FFFFFF;
box-shadow: 0 2px 5px 0 #rgb(0 0 0 / 16%),
0 2px 10px 0 #rgb(0 0 0 / 12%);
display: inline-block;
padding: 20px;

rounded-circle { bootstrap.min.css:1
border-radius: 50% !important; common.css:1

border: 1px solid #4dc7bc;
border-radius: 50%;
color: #4dc7bc;
display: flex;
font-family: 'Open Sans', sans-serif;
height: 100px;
justify-content: center;
text-decoration: none;
width: 100px;

Inherited from a

color: #4dc7bc;
text-decoration: none;
background-color: transparent;

Internshala Trainings

```
</div>
<div class="banner-container">...</div>
<div class="page-container">
  <h1 class="city-heading">
    Major Cities
  </h1>
  <div class="row"> <flex>
    <div class="city-card-container col-md">
      <a href="property_list.html">
        <div class="city-card rounded-circle" style="border: 1px solid #4dc7bc; border-radius: 50%; color: #4dc7bc; display: flex; font-family: 'Open Sans', sans-serif; height: 100px; justify-content: center; text-decoration: none; width: 100px;">
          
        </div>
      </a>
    </div>
    <div class="city-card-container col-md">
      <a href="property_list.html">...</a>
    </div>
    <div class="city-card-container col-md">
      <a href="property_list.html">...</a>
    </div>
    <div class="city-card-container col-md">
      <a href="property_list.html">...</a>
    </div>
  </div>
</div>
<div class="modal fade" id="signup-modal" tabindex="-1" role="dialog" aria-labelledby="signup-heading" aria-hidden="true">...</div>
```

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div#login-modal.modal.fade > div.modal-dialog.modal-dialog-centered > div.modal-content > div.modal-body

```
205             <div class="input-group-prepend">
206                 <span class="input-group-text">
207                     <i class="fas fa-lock"></i>
208                 </span>
209             </div>
210             <input type="password" class="form-control" name="password" placeholder="Password" minlength="6" required>
211         </div>

213         <div class="form-group">
214             <button type="submit" class="btn btn-block btn-primary">Login</button>
215         </div>
216     </form>
217 </div>

219     <div class="modal-footer">
220         <span>
221             <a href="#" data-dismiss="modal" data-toggle="modal" data-target="#signup-modal">Click here</a>
222             to register a new account
223         </span>
224     </div>
225 </div>
226 </div>
227 </div>

229 <div class="footer">
230     <div class="page-container footer-container">
231         <div class="footer-cities">
232             <div class="footer-city">
233                 <a href="property_list.html">PG in Delhi</a>
234             </div>
235             <div class="footer-city">
236                 <a href="property_list.html">PG in Mumbai</a>
```

Ln 217, Col 23 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help • index.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

index.html ● dashboard.html

index.html > html > body > div#login-modal.modal.fade > div.modal-dialog.modal-dialog-centered > div.modal-content > div.modal-body

```
227     </div>
228
229     <div class="footer">
230         <div class="page-container footer-container">
231             <div class="footer-cities">
232                 <div class="footer-city">
233                     <a href="property_list.html">PG in Delhi</a>
234                 </div>
235                 <div class="footer-city">
236                     <a href="property_list.html">PG in Mumbai</a>
237                 </div>
238                 <div class="footer-city">
239                     <a href="property_list.html">PG in Bangalore</a>
240                 </div>
241                 <div class="footer-city">
242                     <a href="property_list.html">PG in Hyderabad</a>
243                 </div>
244             </div>
245             <div class="footer-copyright">© 2020 Copyright PG Life </div>
246         </div>
247     </div>
248
249     <script type="text/javascript" src="js/jquery.js"></script>
250     <script type="text/javascript" src="js/bootstrap.min.js"></script>
251 </body>
252
253 </html>
```

⑧

Internshala Trainings

Ln 217, Col 23 Spaces: 4 UTF-8 CRLF HTML ⚙

File Edit Selection View Go Run Terminal Help dashboard.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

dashboard.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title>Dashboard | PG Life</title>
7
8     <link href="css/bootstrap.min.css" rel="stylesheet" />
9     <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10    <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&di
11    <link href="css/common.css" rel="stylesheet" />
12    <link href="css/dashboard.css" rel="stylesheet" />
13 </head>
14
15 <body>
16 <div class="header sticky-top">
17     <nav class="navbar navbar-expand-md navbar-light">
18         <a class="navbar-brand" href="index.html">
19             
20         </a>
21         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22             <span class="navbar-toggler-icon"></span>
23         </button>
24
25         <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26             <ul class="navbar-nav">
27                 <div class='nav-name'>
28                     Hi, Aditya Sood
29                 </div>
30                 <li class="nav-item">
31                     <a class="nav-link" href="dashboard.html">
32                         <i class="fas fa-user"></i>Dashboard
```

Ln 26, Col 40 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings



Hi, Aditya Sood

Dashboard

Logout

Home / Dashboard

My Profile



Aditya Sood



Edit Profile

My Interested Properties

Internshala Trainings



★★★★★



File Edit Selection View Go Run Terminal Help dashboard.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

dashboard.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4     <head>
5         <meta name="viewport" content="width=device-width, initial-scale=1">
6             <title>Dashboard | FO Life</title>
7
8             <link href="css/bootstrap.min.css" rel="stylesheet" />
9             <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10            <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&display=swap" rel="stylesheet" />
11            <link href="css/common.css" rel="stylesheet" />
12            <link href="css/dashboard.css" rel="stylesheet" />
13     </head>
14
15     <body>
16         <div class="header sticky-top">
17             <nav class="navbar navbar-expand-md navbar-light">
18                 <a class="navbar-brand" href="index.html">
19                     
20                 </a>
21                 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                     <span class="navbar-toggler-icon"></span>
23                 </button>
24
25                 <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                     <ul class="navbar-nav">
27                         <div class='nav-name'>
28                             Hi, Aditya Sood
29                         </div>
30                         <li class="nav-item">
31                             <a class="nav-link" href="dashboard.html">
32                                 <i class="fas fa-user"></i>Dashboard
```

Ln 26, Col 40 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings

```
dashboard.html X
↳ dashboard.html > ⏷ html > ⏷ head > ⏷ meta
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title>Dashboard | PG Life</title>
7
8      <link href="css/bootstrap.min.css" rel="stylesheet" />
9      <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10     <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&di
11     <link href="css/common.css" rel="stylesheet" />
12     <link href="css/dashboard.css" rel="stylesheet" />
13 </head>
14
15 <body>
16 <div class="header sticky-top">
17     <nav class="navbar navbar-expand-md navbar-light">
18         <a class="navbar-brand" href="index.html">
19             
20         </a>
21         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22             <span class="navbar-toggler-icon"></span>
23         </button>
24
25         <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26             <ul class="navbar-nav">
27                 <div class='nav-name'>
28                     Hi, Aditya Sood
29                 </div>
30                 <li class="nav-item">
31                     <a class="nav-link" href="dashboard.html">
32                         <i class="fas fa-user"></i>Dashboard
33                 </a>
34             </ul>
35         </div>
36     </nav>
37     <div class="container">
38         <div class="row">
39             <div class="col-12 col-md-6 col-lg-4 mb-4">
40                 <div class="card border-0 shadow-sm h-100%">
41                     <div class="card-body p-4">
42                         <div class="d-flex align-items-center justify-content-between">
43                             <div>
44                                 <img alt="User icon" class="mr-2" style="width: 30px; height: 30px;" />
45                                 Hi, Aditya Sood
46                             </div>
47                             <div>
48                                 <span class="text-decoration-underline">Logout</span>
49                             </div>
50                         </div>
51                         <div>
52                             <h4>Dashboard</h4>
53                             <p>Your dashboard page content goes here.</p>
54                         </div>
55                     </div>
56                 </div>
57             </div>
58             <div class="col-12 col-md-6 col-lg-4 mb-4">
59                 <div class="card border-0 shadow-sm h-100%">
60                     <div class="card-body p-4">
61                         <div class="d-flex align-items-center justify-content-between">
62                             <div>
63                                 <img alt="User icon" class="mr-2" style="width: 30px; height: 30px;" />
64                                 Hi, Aditya Sood
65                             </div>
66                             <div>
67                                 <span class="text-decoration-underline">Logout</span>
68                             </div>
69                         </div>
70                         <div>
71                             <h4>Dashboard</h4>
72                             <p>Your dashboard page content goes here.</p>
73                         </div>
74                     </div>
75                 </div>
76             </div>
77             <div class="col-12 col-md-6 col-lg-4 mb-4">
78                 <div class="card border-0 shadow-sm h-100%">
79                     <div class="card-body p-4">
80                         <div class="d-flex align-items-center justify-content-between">
81                             <div>
82                                 <img alt="User icon" class="mr-2" style="width: 30px; height: 30px;" />
83                                 Hi, Aditya Sood
84                             </div>
85                             <div>
86                                 <span class="text-decoration-underline">Logout</span>
87                             </div>
88                         </div>
89                         <div>
90                             <h4>Dashboard</h4>
91                             <p>Your dashboard page content goes here.</p>
92                         </div>
93                     </div>
94                 </div>
95             </div>
96         </div>
97     </div>
98 
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help dashboard.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

dashboard.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title>Dashboard | PG Life</title>
7
8     <link href="css/bootstrap.min.css" rel="stylesheet" />
9     <link href="https://use.fontawesome.com/releases/v5.11.2/css/all.css" rel="stylesheet" />
10    <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,600;0,700;0,800;1,300;1,400;1,600;1,700;1,800&display=swap" rel="stylesheet" />
11    <link href="css/common.css" rel="stylesheet" />
12    <link href="css/dashboard.css" rel="stylesheet" />
13 </head>
14
15 <body>
16 <div class="header sticky-top">
17     <nav class="navbar navbar-expand-md navbar-light">
18         <a class="navbar-brand" href="index.html">
19             
20         </a>
21         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22             <span class="navbar-toggler-icon"></span>
23         </button>
24
25         <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26             <ul class="navbar-nav">
27                 <div class='nav-name'>
28                     Hi, Aditya Sood
29                 </div>
30                 <li class="nav-item">
31                     <a class="nav-link" href="dashboard.html">
32                         <i class="fas fa-user"></i> Dashboard
```

Ln 12, Col 55 Spaces: 4 UTF-8 CRLF HTML

Internshala Trainings

File Edit Selection View Go Run Terminal Help dashboard.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

dashboard.html > html > body

```
15 <body>
16     <div class="header sticky-top">
17         <nav class="navbar navbar-expand-md navbar-light">
18             <a class="navbar-brand" href="index.html">
19                 
20             </a>
21             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#my-navbar">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24
25             <div class="collapse navbar-collapse justify-content-end" id="my-navbar">
26                 <ul class="navbar-nav">
27                     <div class='nav-name'>
28                         Hi, Aditya Sood
29                     </div>
30                     <li class="nav-item">
31                         <a class="nav-link" href="dashboard.html">
32                             <i class="fas fa-user"></i>Dashboard
33                         </a>
34                     </li>
35                     <div class="nav-vl"></div>
36                     <li class="nav-item">
37                         <a class="nav-link" href="#">
38                             <i class="fas fa-sign-out-alt"></i>Logout
39                         </a>
40                     </li>
41                 </ul>
42             </div>
43         </nav>
44     </div>
45
46 <div id="loading">
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help dashboard.html - Complete solution - module 2 and 3 assignment - Visual Studio Code

dashboard.html

```
36     <li class="nav-item">
37         <a class="nav-link" href="#">
38             <i class="fas fa-sign-out-alt"></i>Logout
39         </a>
40     </li>
41     </ul>
42 </div>
43 </nav>
44 </div>
45
46 <div id="loading">
47 </div>
48
49 <nav aria-label="breadcrumb">
50     <ol class="breadcrumb py-2">
51         <li class="breadcrumb-item">
52             <a href="index.html">Home</a>
53         </li>
54         <li class="breadcrumb-item active" aria-current="page">
55             Dashboard
56         </li>
57     </ol>
58 </nav>
59
60 <div class="my-profile page-container">
61     <h1>My Profile</h1>
62     <div class="row">
63         <div class="col-md-3 profile-img-container">
64             <i class="fas fa-user profile-img"></i>
65         </div>
66         <div class="col-md-9">
67             <div class="row no-gutters justify-content-between align-items-end">
```

Internshala Trainings



Hi, Aditya Sood

Dashboard

Logout

Home / Dashboard

My Profile



Aditya Sood

Edit Profile

My Interested Properties



★ ★ ★ ★

Internshala Trainings



Module 3 > Topic 1 > Video 1

Getting Started With Bootstrap



Internshala Trainings

Learning objectives

- Explain Bootstrap.
- Download Bootstrap library.



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HTML code

A screenshot of a code editor interface. On the left, there is a sidebar with icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: 'sample.html' and '# style.css'. The 'sample.html' tab contains the following HTML code:

```
c:\xampp\htdocs\project>sample.html > ...
1 <html>
2   <head>
3     <title>CSS Page</title>
4     <link rel="stylesheet" href="project/style.css"/>
5     <style>
6       p {
7         color: black;
8         background-color: pink;
9       }
10    </style>
11  </head>
12  <body>
13    <h1>This is a heading.</h1>
14    <p>This is a paragraph.</p>
15    <p style="color: brown;">This is another paragraph.</p>
16  </body>
17 </html>
```

The '# style.css' tab contains the following CSS code:

```
c:\xampp\htdocs\project># style.css > ...
1 h1 {
2   color: green;
3   background-color: yellow;
4   font-size: 24px;
5 }
6 p {
7   color: red;
8   background-color: skyblue;
9   font-size: 14px;
10}
```

CSS code

A screenshot of a code editor interface. On the left, there is a sidebar with icons for file operations like Open, Save, Find, and Refresh. The main area shows two tabs: 'sample.html' and '# style.css'. The '# style.css' tab contains the following CSS code:

```
c:\xampp\htdocs\project># style.css > ...
1 h1 {
2   color: green;
3   background-color: yellow;
4   font-size: 24px;
5 }
6 p {
7   color: red;
8   background-color: skyblue;
9   font-size: 14px;
10}
```

Output



This is a heading.

This is a paragraph.

This is another paragraph.

Internshala Trainings



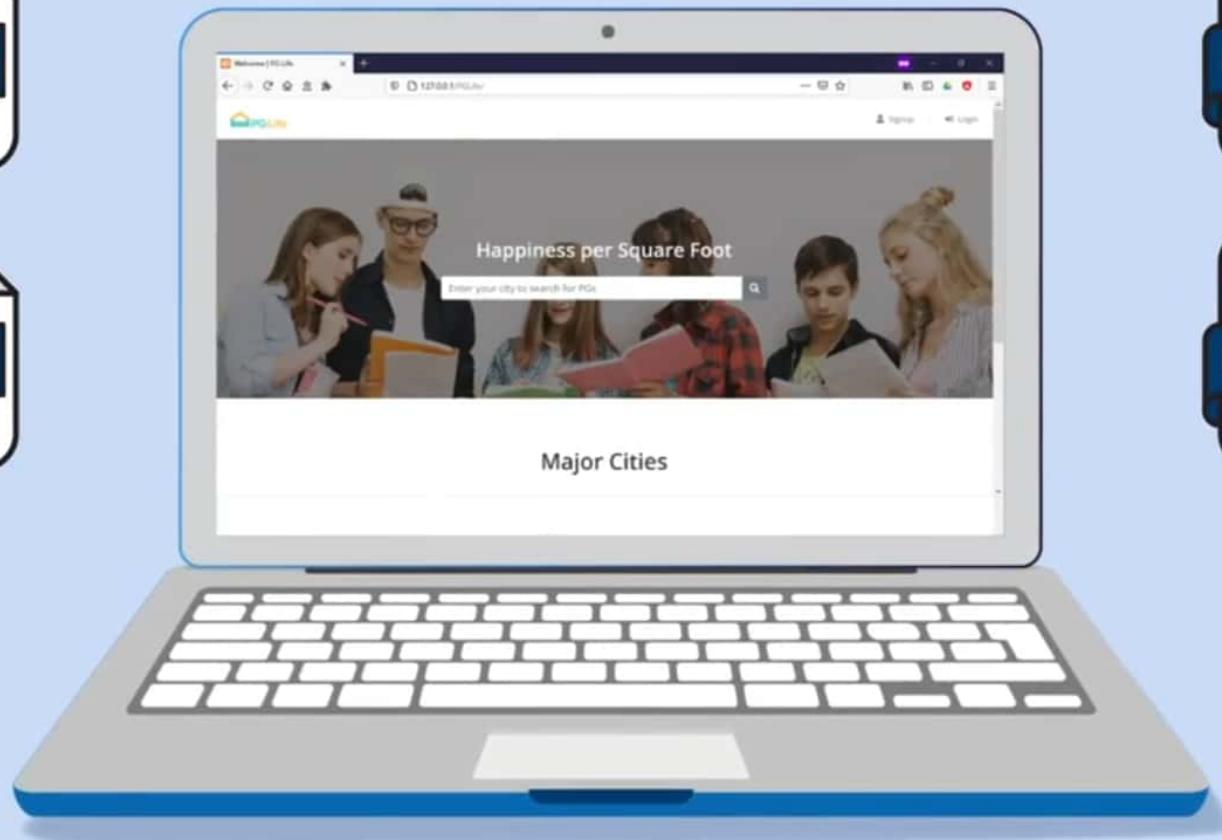
Bootstrap

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What is Bootstrap?

It is a CSS file that contains some pre-written CSS code.



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How to download Bootstrap?

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New Tab

X +

← → C



https://getbootstrap.com/docs/5.0/getting-started/download/



<https://getbootstrap.com/docs/5.0/getting-started/download/>



https://getbootstrap.com/docs/5.0/getting-started/download/ - Google Search

Now you can browse privately,
However, downloads, bookmar

Chrome won't save the followin

Your browsing history
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- Cookies and site data
- Information entered in forms

Download - Bootstrap v5.0

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Bootstrap v5.0

Download

Getting started

- Introduction
- Download
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- Browsers & devices
- JavaScript
- Build tools
- Webpack
- Parcel
- Accessibility
- RFS
- RTL

Customize

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Utilities

Extend

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Migration

Download

View on GitHub

Download Bootstrap to get the compiled CSS and JavaScript, source code, or include it with your favorite package managers like npm, RubyGems, and more.

Compiled CSS and JS

Download ready-to-use compiled code for **Bootstrap v5.0.0** to easily drop into your project, which includes:

- Compiled and minified CSS bundles (see [CSS files comparison](#))
- Compiled and minified JavaScript plugins (see [JS files comparison](#))

This doesn't include documentation, source files, or any optional JavaScript dependencies like Popper.

Download

Source files

Compile Bootstrap with your own asset pipeline by downloading our source Sass, JavaScript, and documentation files. This option requires some additional tooling:

- [Sass compiler](#) for compiling Sass source files into CSS files
- [Autoprefixer](#) for CSS vendor prefixing

Should you require our full set of [build tools](#), they are included for developing Bootstrap and its docs, but they're likely unsuitable for your own purposes.

Download source

Examples

If you want to download and examine our [examples](#), you can grab the already built examples:

Internshala Trainings

The screenshot shows a Windows File Explorer window with the following details:

File Explorer ribbon tabs: File, Home, Share, View.

Toolbar icons: Pin to Quick access, Copy, Paste, Cut, Copy path, Move to, Copy to, Delete, Rename, New folder, New item, Open, Select all, Select none, Invert selection.

Address bar: This PC > Windows (C:) > Users > Aditya Sood > Downloads > bootstrap-5.0.0-dist > css

Left sidebar (Quick access): Desktop, Downloads, Documents, Pictures.

Table view of files in the 'css' folder:

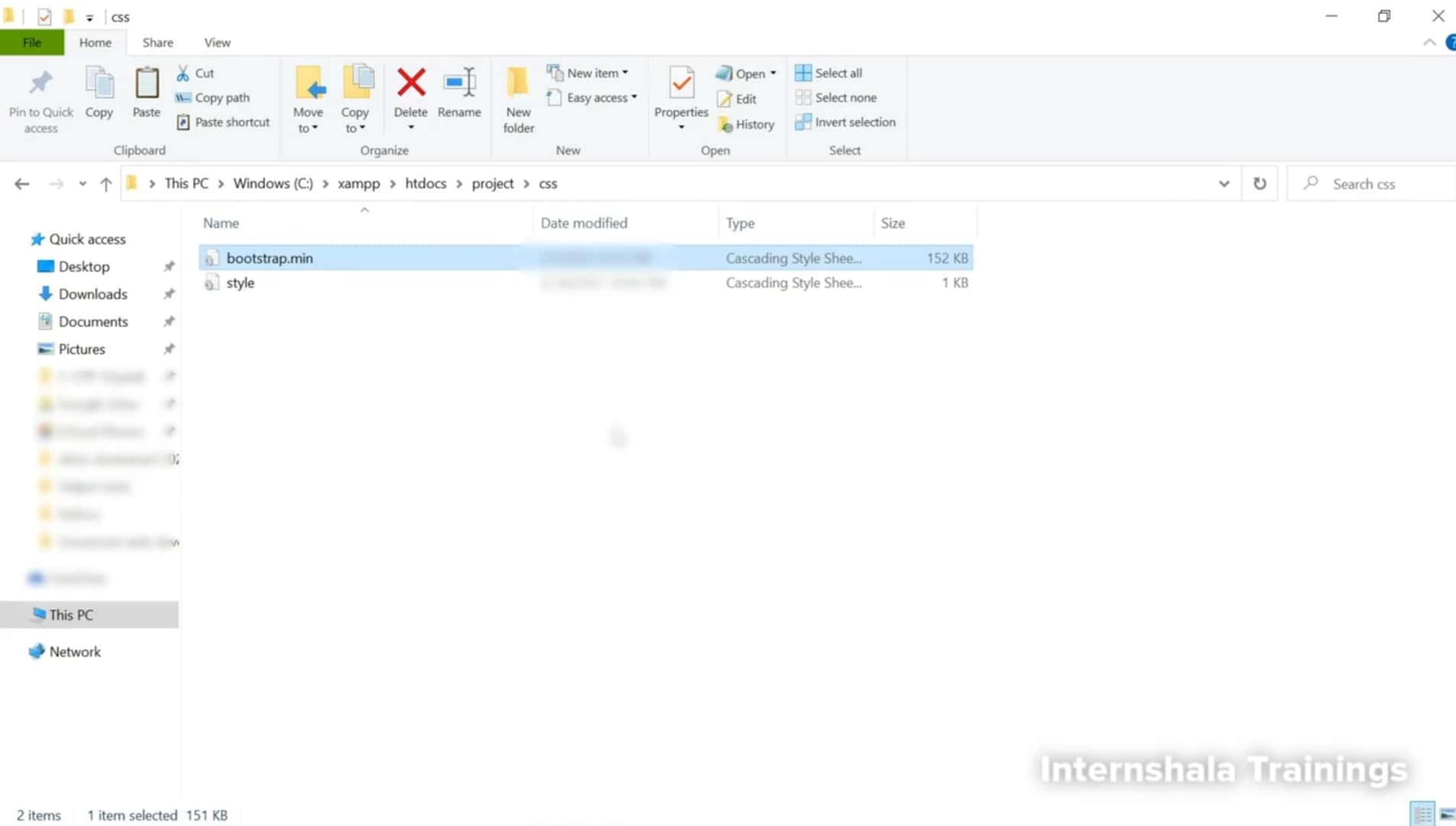
Name	Type	Size
bootstrap	Cascading Style Sheet Document	192 KB
bootstrap.css.map	MAP File	501 KB
bootstrap.min	Cascading Style Sheet Document	152 KB
bootstrap.min.css.map	MAP File	420 KB
bootstrap rtl	Cascading Style Sheet Document	191 KB
bootstrap rtl.css.map	MAP File	500 KB
bootstrap rtl min	Cascading Style Sheet Document	153 KB
bootstrap-grid	MAP File	618 KB
bootstrap-grid.css.map	Cascading Style Sheet Document	70 KB
bootstrap-grid.min	MAP File	186 KB
bootstrap-grid.min.css.map	Cascading Style Sheet Document	51 KB
bootstrap-grid rtl	MAP File	114 KB
bootstrap-grid rtl.css.map	Cascading Style Sheet Document	70 KB
bootstrap-grid rtl min	MAP File	186 KB
bootstrap-reboot	Cascading Style Sheet Document	51 KB
bootstrap-reboot.css.map	MAP File	114 KB
bootstrap-reboot.min	Cascading Style Sheet Document	6 KB
bootstrap-reboot.min.css.map	MAP File	97 KB
bootstrap-reboot rtl	Cascading Style Sheet Document	5 KB
bootstrap-reboot rtl.css.map	MAP File	34 KB
bootstrap-reboot rtl min	Cascading Style Sheet Document	6 KB
bootstrap-reboot rtl min.css.map	MAP File	97 KB
bootstrap-utilities	Cascading Style Sheet Document	51 KB
bootstrap utilities.css.map	MAP File	40 kB
bootstrap utilities.min	Cascading Style Sheet Document	68 KB
bootstrap utilities.min.css.map	MAP File	170 kB

Internshala Trainings

```
# bootstrap.min.css C:\...\bootstrap example # bootstrap.css # bootstrap.min.css C:\...\css X
```

C: > Users > Aditya Sood > Downloads > bootstrap-5.0.0-dist > css > # bootstrap.min.css > ...

```
<link href="css/bootstrap.min.css" rel="stylesheet" />
```



Internshala Trainings

Module 3 > Topic 2 > Video 1

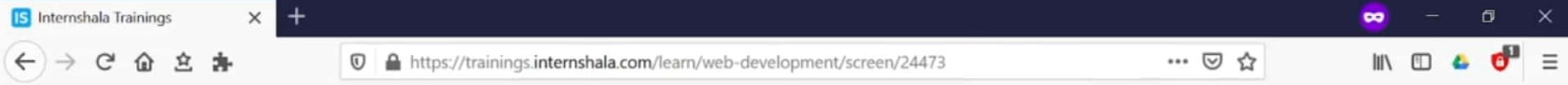
Creating a Layout - I



Internshala Trainings

Learning objective

- Use some of the classes present in the bootstrap and use them to create different page layouts.



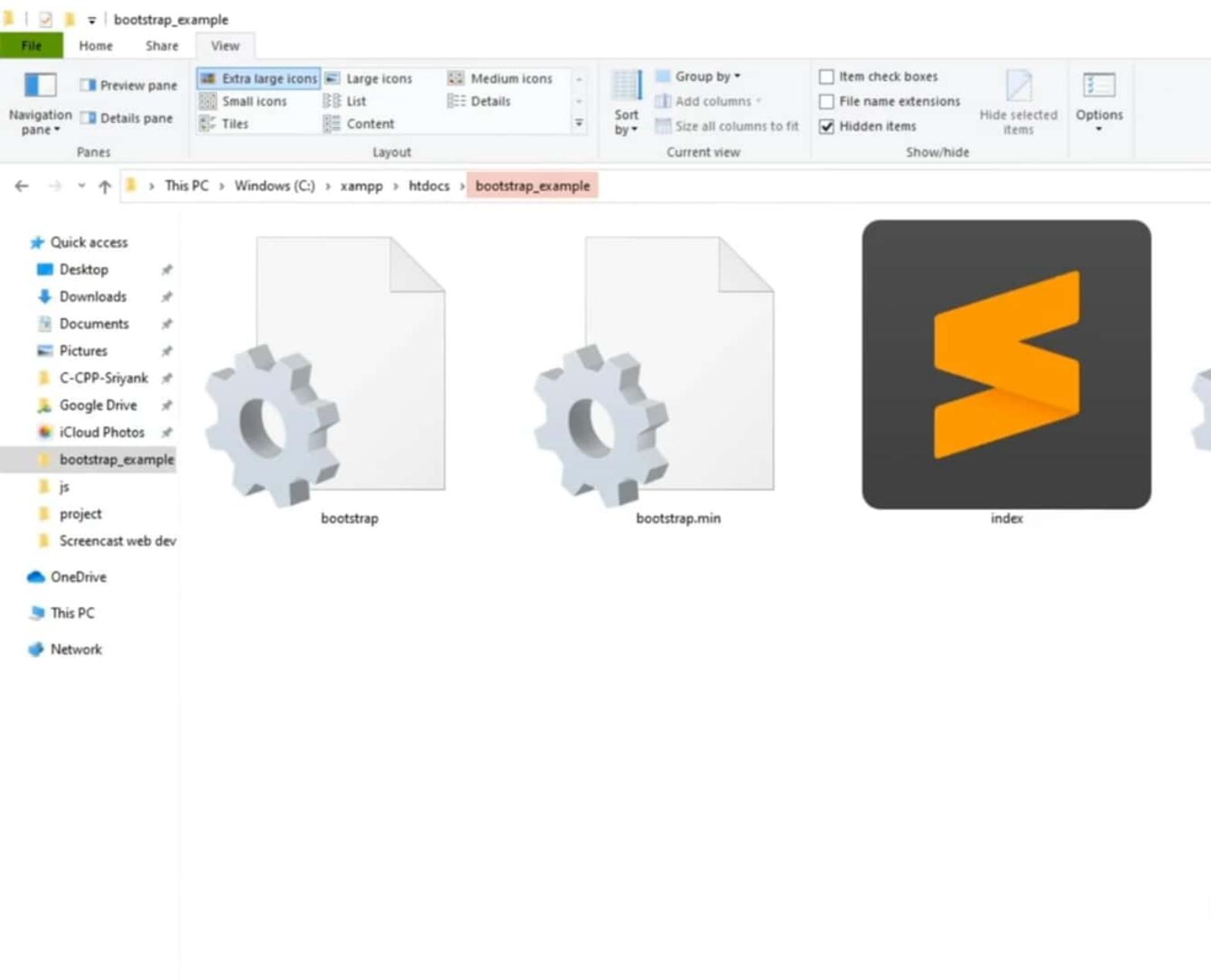
≡ Exercise

- Create a folder **bootstrap_example** inside the **htdocs** folder.
- Copy and paste the files **bootstrap.css** and **bootstrap.min.css** which you have downloaded earlier in the previous video inside the **bootstrap_example** folder.
- Create a file **style.css** inside the **bootstrap_example** folder. The code of style.css is given below:

```
.row {  
    border: solid 1px black;  
    margin-top: 50px;  
}  
[class*="col-"], .col {  
    border: solid 1px red;  
}
```

- Create a file **index.html** inside **bootstrap_example** folder. The code of **index.html** is given below:

```
<!DOCTYPE html>  
<html>  
    <head>  
        <meta name="viewport" content="width=device-width, initial-scale=1">  
        <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
```

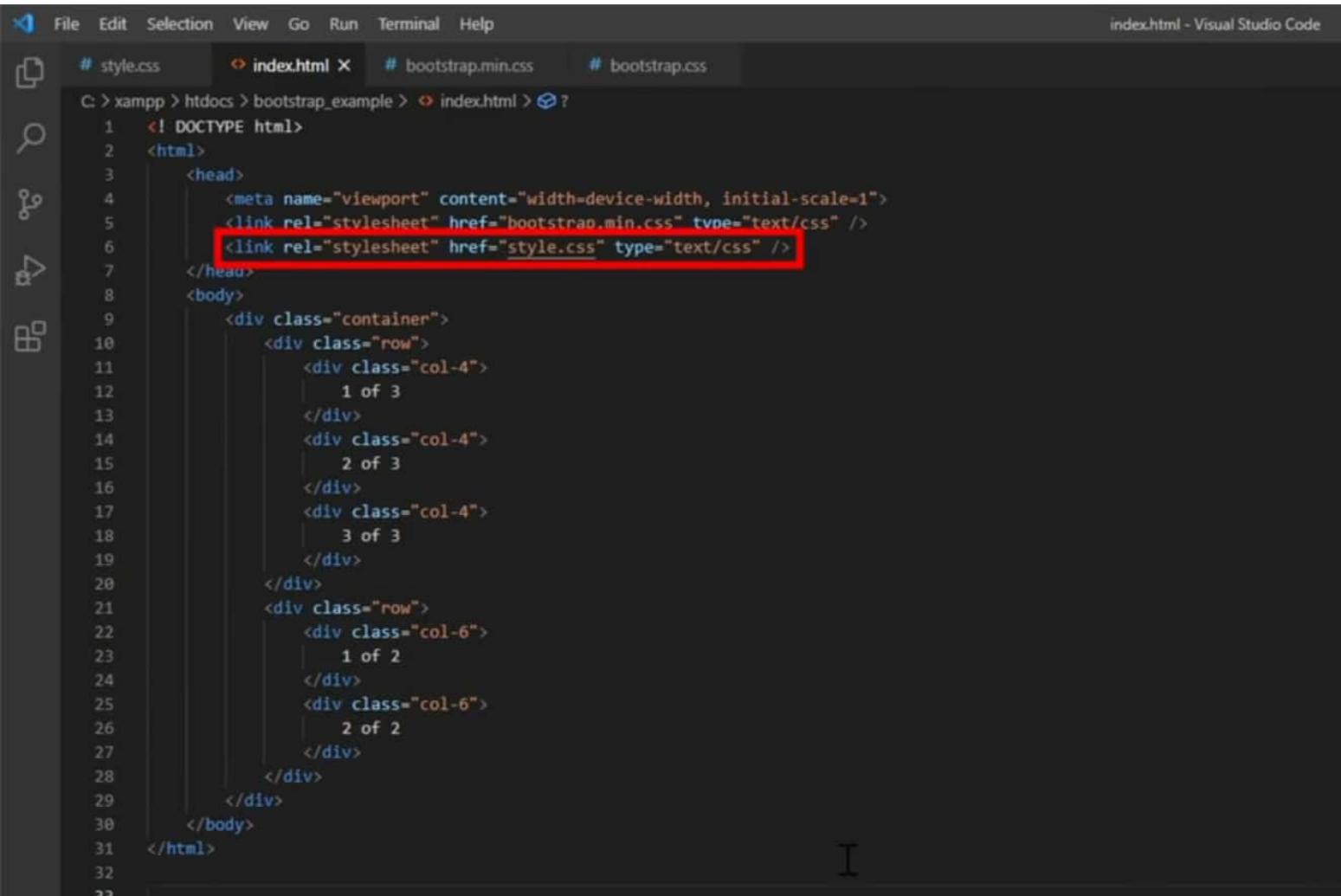


Internshala Trainings

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "index.html - Visual Studio Code". The left sidebar has icons for file, search, and other functions. The main editor area displays an HTML file with line numbers 1 through 33. A red box highlights the following code block:

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings



A screenshot of the Visual Studio Code interface. The title bar shows "index.html - Visual Studio Code". The left sidebar has icons for File, Edit, Selection, View, Go, Run, Terminal, and Help. The main editor area shows an HTML file with line numbers 1 through 33. A red box highlights the line containing the CSS link:

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

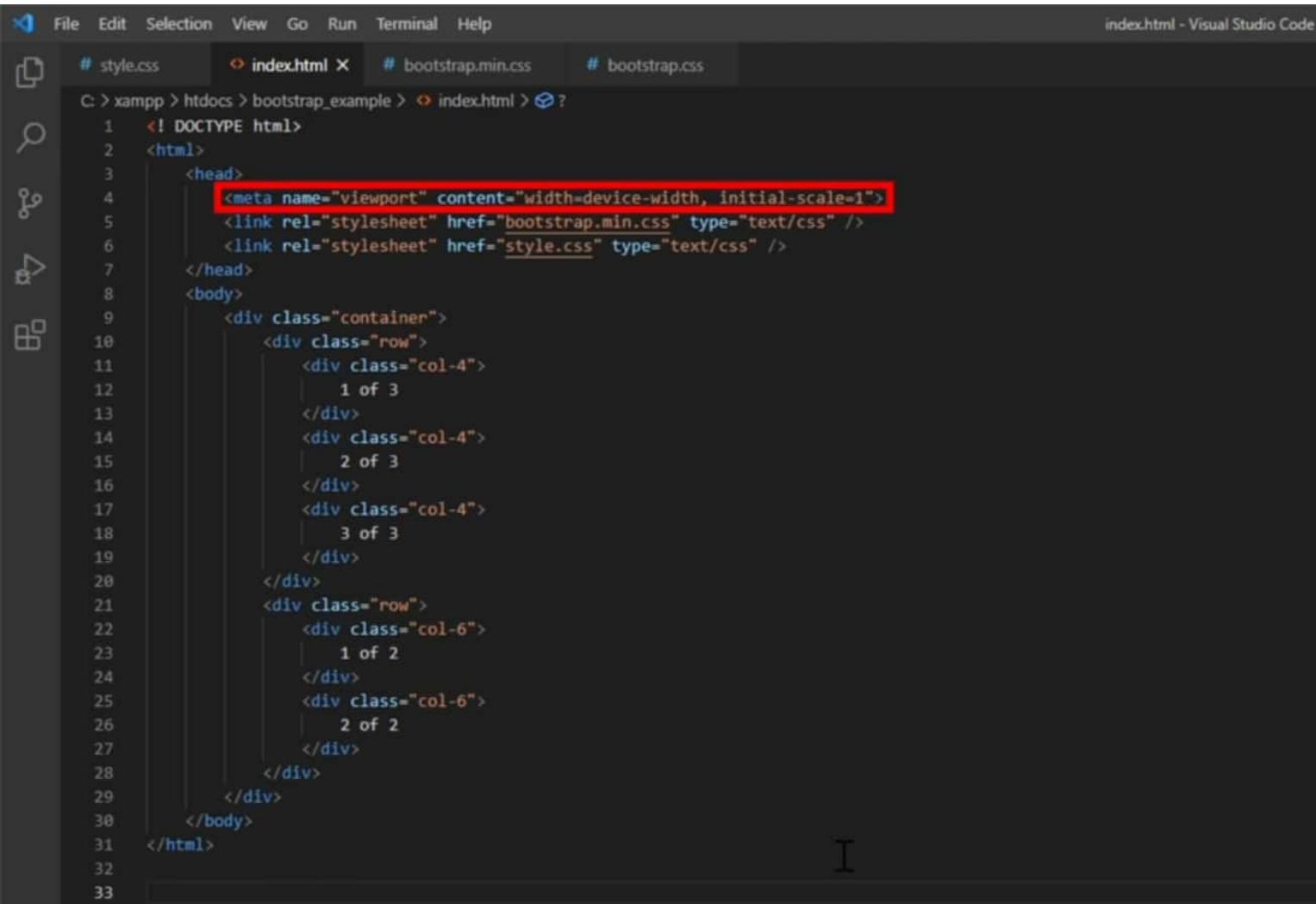
index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings



File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings



File Edit Selection View Go Run Terminal Help

style.css - Visual Studio Code

style.css x index.html # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > # style.css > ...

```
1 .row {  
2     border: solid 1px □ black;  
3     margin-top: 50px;  
4 }  
5 [class*="col-"], .col {  
6     border: solid 1px □ red;  
7 }  
8
```

Internshala Trainings

Scanned with CamScanner

File Edit Selection View Go Run Terminal Help

bootstrap.css - Visual Studio Code

style.css indexhtml # bootstrap.min.css # bootstrap.css X

C > xampp > htdocs > bootstrap_example > # bootstrap.css > col-12

```
1 @charset "UTF-8";
2 /**
3 * Bootstrap v5.0.0-beta3 (https://getbootstrap.com/)
4 * Copyright 2011-2021 The Bootstrap Authors
5 * Copyright 2011-2021 Twitter, Inc.
6 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/main/LICENSE)
7 */
8 :root {
9   --bs-blue: #0d6efd;
10  --bs-indigo: #6610f2;
11  --bs-purple: #6f42c1;
12  --bs-pink: #d63384;
13  --bs-red: #dc3545;
14  --bs-orange: #fd7e14;
15  --bs-yellow: #ffc107;
16  --bs-green: #198754;
17  --bs-teal: #28c997;
18  --bs-cyan: #0dcaf0;
19  --bs-white: #fff;
20  --bs-gray: #6c757d;
21  --bs-gray-dark: #343a48;
22  --bs-primary: #0d6efd;
23  --bs-secondary: #6c757d;
24  --bs-success: #198754;
25  --bs-info: #0dcaf0;
26  --bs-warning: #ffc107;
27  --bs-danger: #dc3545;
28  --bs-light: #f8f9fa;
29  --bs-dark: #212529;
30  --bs-font-sans-serif: system-ui, -apple-system, "Segoe UI", Roboto, "Helvetica Neue", Arial, "Noto Sans", "Liberation Sans", sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol";
31  --bs-font-monospace: SFMono-Regular, Menlo, Monaco, Consolas, "Liberation Mono", "Courier New", monospace;
32  --bs-gradient: linear-gradient(180deg, rgba(255, 255, 255, 0.15), rgba(255, 255, 255, 0));
33 }
34 *
35 *,
36 *::before,
37 *::after {
38   box-sizing: border-box;
39 }
40
41 @media (prefers-reduced-motion: no-preference) {
```

Internshala Trainings

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "index.html - Visual Studio Code". The left sidebar has icons for file, search, and other functions. The main editor area displays the following HTML code:

```
C: > xampp > htdocs > bootstrap_example > > index.html > ?  
1  <!DOCTYPE html>  
2  <html>  
3      <head>  
4          <meta name="viewport" content="width=device-width, initial-scale=1">  
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6          <link rel="stylesheet" href="style.css" type="text/css" />  
7      </head>  
8      <body>  
9          <div class="container">  
10             <div class="row">  
11                 <div class="col-4">  
12                     1 of 3  
13                 </div>  
14                 <div class="col-4">  
15                     2 of 3  
16                 </div>  
17                 <div class="col-4">  
18                     3 of 3  
19                 </div>  
20             </div>  
21             <div class="row">  
22                 <div class="col-6">  
23                     1 of 2  
24                 </div>  
25                 <div class="col-6">  
26                     2 of 2  
27                 </div>  
28             </div>  
29         </div>  
30     </body>  
31 </html>
```

Internshala Trainings

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "index.html - Visual Studio Code". The left sidebar has icons for File, Find, Replace, and others. The main editor area displays an HTML file with Bootstrap grid code. The code uses classes like "container", "row", and "col-4" or "col-6". Lines 9 through 31 are highlighted with a red rectangular selection. The status bar at the bottom shows "Scanned with CamScanner".

```
C: > xampp > htdocs > bootstrap_example > > index.html > ?  
1  <!DOCTYPE html>  
2  <html>  
3  |   <head>  
4  |       <meta name="viewport" content="width=device-width, initial-scale=1">  
5  |       <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6  |       <link rel="stylesheet" href="style.css" type="text/css" />  
7  |   </head>  
8  |   <body>  
9  |       <div class="container">  
10 |           <div class="row">  
11 |               <div class="col-4">  
12 |                   1 of 3  
13 |               </div>  
14 |               <div class="col-4">  
15 |                   2 of 3  
16 |               </div>  
17 |               <div class="col-4">  
18 |                   3 of 3  
19 |               </div>  
20 |           </div>  
21 |           <div class="row">  
22 |               <div class="col-6">  
23 |                   1 of 2  
24 |               </div>  
25 |               <div class="col-6">  
26 |                   2 of 2  
27 |               </div>  
28 |           </div>  
29 |       </div>  
30 |   </body>  
31 </html>  
32  
33
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

bootstrap.css - Visual Studio Code

C: > xampp > htdocs > bootstrap_example > # bootstrap.css > .navbar > .container

```
3886 flex-grow: 1;
3887 text-align: center;
3888 }
3889
3890 .nav-fill .nav-item .nav-link,
3891 .nav-justified .nav-item .nav-link {
3892 width: 100%;
3893 }
3894
3895 .tab-content > .tab-pane {
3896 display: none;
3897 }
3898 .tab-content > .active {
3899 display: block;
3900 }
3901
3902 .navbar {
3903 position: relative;
3904 display: flex;
3905 flex-wrap: wrap;
3906 align-items: center;
3907 justify-content: space-between;
3908 padding-top: 0.5rem;
3909 padding-bottom: 0.5rem;
3910 }
3911 .navbar > .container,
3912 .navbar > .container-fluid,
3913 .navbar > .container-sm,
3914 .navbar > .container-md,
3915 .navbar > .container-lg,
3916 .navbar > .container-xl,
3917 .navbar > .container-xxl {
3918 display: flex;
3919 flex-wrap: inherit;
3920 align-items: center;
3921 justify-content: space-between;
3922 }
3923 .navbar-brand {
3924 padding-top: 0.3125rem;
3925 padding-bottom: 0.3125rem;
3926 margin-right: 1rem;
```

Internshala Trainings

1 of 3

2 of 3

3 of 3

1 of 2

2 of 2

Internshala Trainings

File Edit Selection View Go Run Terminal Help

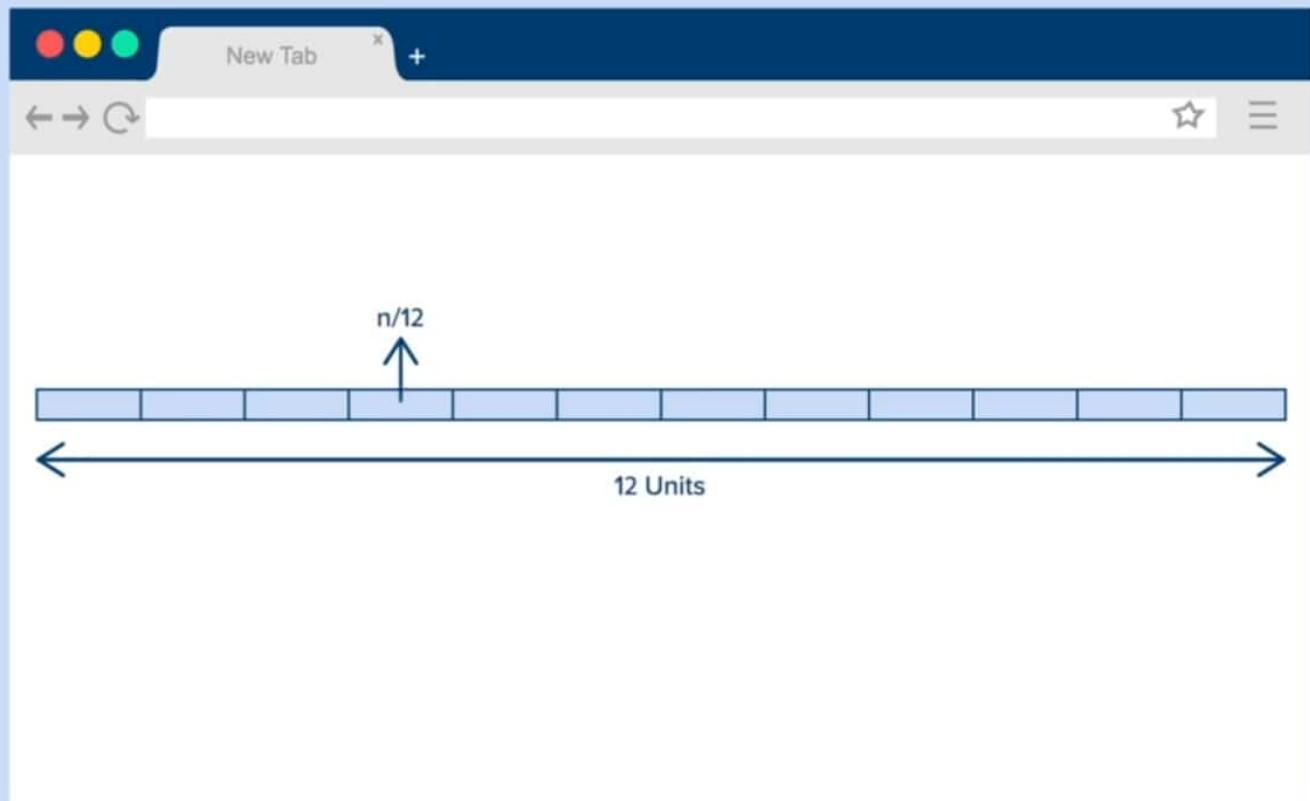
index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings



Internshala Trainings

```
681 }
682
683 .row-cols-6 > * {
684   flex: 0 0 auto;
685   width: 16.6666666667%;
686 }
687
688 .col-auto {
689   flex: 0 0 auto;
690   width: auto;
691 }
692
693 .col-1 {
694   flex: 0 0 auto;
695   width: 8.3333333333%;
696 }
697
698 .col-2 {
699   flex: 0 0 auto;
700   width: 16.6666666667%;
701 }
702
703 .col-3 {
704   flex: 0 0 auto;
705   width: 25%;
706 }
707
708 .col-4 {
709   flex: 0 0 auto;
710   width: 33.3333333333%;
711 }
712
713 .col-5 {
714   flex: 0 0 auto;
715   width: 41.6666666667%;
716 }
717
718 .col-6 {
719   flex: 0 0 auto;
720   width: 50%;
721 }
722
723 .col-7 {
724   flex: 0 0 auto;
725   width: 58.3333333333%;
```

```
# style.css      index.html X  # bootstrap.min.css  # bootstrap.css
C: > xampp > htdocs > bootstrap_example > index.html > ? > html > body > div.container > div.row
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <meta name="viewport" content="width=device-width, initial-scale=1">
5      <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6      <link rel="stylesheet" href="style.css" type="text/css" />
7    </head>
8    <body>
9      <div class="container">
10        <div class="row">
11          <div class="col-4">
12            1 of 3
13          </div>
14          <div class="col-4">
15            2 of 3
16          </div>
17          <div class="col-4">
18            3 of 3
19          </div>
20        </div>
21        <div class="row">
22          <div class="col-6">
23            1 of 2
24          </div>
25          <div class="col-6">
26            2 of 2
27          </div>
28        </div>
29      </div>
30    </body>
31  </html>
32
33
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
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13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ? > html > body > div.container > div.row

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-4">
15                     2 of 3
16                 </div>
17                 <div class="col-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows files: style.css, index.html (selected), bootstrap.min.css, and bootstrap.css.
- Status Bar:** Shows "index.html - Visual Studio Code".
- Code Editor:** Displays the content of index.html. The code is a Bootstrap grid example with two rows. The first row has three columns with widths 4, 6, and 2 respectively. The second row has two columns with widths 6 and 2 respectively. Each column contains the text "1 of 3", "2 of 3", or "3 of 3".

```
C: >xampp >htdocs >bootstrap_example > index.html > ?  
1  <!DOCTYPE html>  
2  <html>  
3  |   <head>  
4  |   |       <meta name="viewport" content="width=device-width, initial-scale=1">  
5  |   |       <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6  |   |       <link rel="stylesheet" href="style.css" type="text/css" />  
7  |   </head>  
8  |   <body>  
9  |       <div class="container">  
10      |           <div class="row">  
11          |               <div class="col-4">  
12              |                   1 of 3  
13          |               </div>  
14          |               <div class="col-6">  
15              |                   2 of 3  
16          |               </div>  
17          |               <div class="col-2">  
18              |                   3 of 3  
19          |               </div>  
20      |           </div>  
21      |           <div class="row">  
22          |               <div class="col-6">  
23              |                   1 of 2  
24          |               </div>  
25          |               <div class="col-6">  
26              |                   2 of 2  
27          |               </div>  
28      |           </div>  
29  |       </div>  
30  |   </body>  
31  </html>  
32  
33
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-6">
15                     2 of 3
16                 </div>
17                 <div class="col-2">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

127.0.0.1/bootstrap_example/ + Incognito

1 of 3 | 2 of 3 | 3 of 3

1 of 2 | 2 of 2

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!-- DOCTYPE html-->
<html>
  <head>...</head>
  <body>
    <div class="container">
      <div class="row">...</div>
        <div class="col-4">
          1 of 3
        </div> == $0
        <div class="col-6">
          2 of 3
        </div>
        <div class="col-2">
          3 of 3
        </div>
    </div>
    <div class="row">...</div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

element.style { }

[class*="col-"], .col { border: 1px solid red; }

.col-4 { flex: 0 0 auto; width: 33.3333333333%; }

.row { flex-wrap: wrap; margin-right: -10px; margin-left: -10px; }

, ::after, ::before { box-sizing: border-box; }

div { user agent stylesheet display: block; }

Inherited from div.col-4

border: 1px solid red; --bs-gutter-x: 1.5rem; --bs-gutter-y: 0; display: flex; flex-wrap: wrap;

The screenshot shows a browser window displaying a simple layout with three columns. The top navigation bar includes tabs for Elements, Console, Sources, Network, Performance, Memory, Application, Security, and Lighthouse. Below the navigation is a code editor showing the HTML structure with Bootstrap classes like 'container', 'row', and 'col-4'. To the right is a panel titled 'Styles' containing the generated CSS for these classes, such as 'border: 1px solid red' for the col classes and 'flex-wrap: wrap' for the row class. The bottom status bar shows the path 'html body div.container div.row div.col-4'.

Internshala Trainings

127.0.0.1/bootstrap_example/ + Incognito

1 of 3	2 of 3
3 of 3	

1 of 2	2 of 2
--------	--------

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!-- DOCTYPE html-->
<html>
  <head></head>
  <body>
    <div class="container">
      <div class="row">
        <div class="col-4">
          1 of 3
        </div>
        <div class="col-6">
          2 of 3
        </div>
        <div class="col-4">
          3 of 3
        </div> == $0
      </div>
      <div class="row"></div> == $1
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

element.style { } [class*="col-"], .col { border: 1px solid red; } .col-4 { flex-grow: 0 0 auto; width: 33.3333333333%; } .row* { flex-wrap: nowrap; width: 100%; max-width: 100%; padding-right: calc(var(--bs-gutter-x)/ 2); padding-left: calc(var(--bs-gutter-x)/ 2); margin-top: var(--bs-gutter-y); } *, ::after, ::before { box-sizing: border-box; } div { user-agent stylesheet } Inherit from div.col-4 [class*="col-"], .col { border: 1px solid red; } .col-4 { flex-grow: 0 0 auto; width: 33.3333333333%; } .row* { flex-wrap: nowrap; width: 100%; max-width: 100%; padding-right: calc(var(--bs-gutter-x)/ 2); padding-left: calc(var(--bs-gutter-x)/ 2); margin-top: var(--bs-gutter-y); } *, ::after, ::before { box-sizing: border-box; } div { user-agent stylesheet }

Internshala Trainings

127.0.0.1/bootstrap_example/ + Incognito

The screenshot shows a web browser window with the URL 127.0.0.1/bootstrap_example/. The page displays a Bootstrap grid structure. At the top, there is a row with three columns. The first column contains the text "1 of 3", the second column contains "2 of 3", and the third column contains "3 of 3". The first and third columns are highlighted with a red border. Below this, there is another row with two columns, each containing "1 of 2" and "2 of 2" respectively. The entire page is styled with Bootstrap's CSS, which is visible in the browser's developer tools. The developer tools are open, showing the Element tab with the HTML code and the Styles tab with the corresponding CSS rules.

1 of 3 2 of 3
3 of 3

1 of 2 2 of 2

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <div class="container">
      <div class="row">
        <div class="col-4">
          1 of 3
        </div>
        <div class="col-6">
          2 of 3
        </div>
        <div class="col-4">
          3 of 3
        </div>
      </div>
    </div>
    <div class="row">
      <div class="col-4">
        1 of 3
      </div>
      <div class="col-4">
        2 of 3
      </div>
      <div class="col-4">
        3 of 2
      </div>
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

```
.element.style {
}
[class*="col-"], .col {
  border: 1px solid #ccc;
}
.col-4 {
  flex: 0 0 auto;
  width: 33.33333333333333px;
}
.row {
  display: flex;
  flex-wrap: wrap;
  margin-left: -15px;
  margin-right: -15px;
}
.col-4 {
  flex: 0 0 auto;
  width: 33.33333333333333px;
}
.col-6 {
  flex: 0 0 auto;
  width: 50px;
}
.col-3 {
  flex: 0 0 auto;
  width: 25px;
}
```

Internshala Trainings

127.0.0.1/bootstrap_example/ + Incognito

1 of 3 | 2 of 3 | 3 of 3

1 of 2 | 2 of 2

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!-- DOCTYPE html-->
<html>
  <head></head>
  <body>
    <div class="container">
      <div class="row">
        <div class="col-4">
          1 of 3
        </div>
        <div class="col-3">
          2 of 3
        </div>
        <div class="col-3">
          3 of 3
        </div>
      </div>
    </div>
    <div class="row">
      </div>
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

Filter :show .cls +

```
element.style { }
[class*="col-"], .col {
  border: 1px solid red;
}
.col-3 {
  flex-grow: 0;
  width: 25%;
}
.row {
  flex-wrap: nowrap;
  width: 100%;
  max-width: 100%;
  padding-right: calc(var(--bs-gutter-x) / 2);
  padding-left: calc(var(--bs-gutter-x) / 2);
  margin-top: var(--bs-gutter-y);
}
*, ::after, ::before {
  box-sizing: border-box;
}
div {
  user-agent stylesheet
}
Inherit from div.col-3
.col-3 {
  --bs-gutter-x: 1.5rem;
  --bs-gutter-y: 0;
  display: flex;
  flex-wrap: nowrap;
}
```

Internshala Trainings

127.0.0.1/bootstrap_example/ + Incognito

1 of 3 | 2 of 3 | 3 of 3 | [red box]

1 of 2 | 2 of 2

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!-- DOCTYPE html-->
<html>
  <head></head>
  <body>
    <div class="container">
      <div class="row">[flex]
        <div class="col-4">
          1 of 3
        </div>
        <div class="col-3">
          2 of 3
        </div>
        <div class="col-3">
          3 of 3
        </div> == $0
      </div>
      <div class="row">-[flex]
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

element.style { }

[class*="col-"], .col { border: 1px solid red; }

.col-3 { flex: 0 0 auto; width: 25%; }

.row* { flex-grow: 0; width: 100%; max-width: 100%; padding-right: calc(var(--bs-gutter-x)/ 2); padding-left: calc(var(--bs-gutter-x)/ 2); margin-top: var(--bs-gutter-y); }

, ::after, ::before { box-sizing: border-box; }

div { user-agent stylesheet }

Inherit: [from div.col-3]

width: 100%; --bs-gutter-x: 1.5rem; --bs-gutter-y: 0; display: flex; flex-wrap: wrap;

Internshala Trainings

127.0.0.1/bootstrap_example/ + Incognito

1 of 3 2 of 3 3 of 3

1 of 2 2 of 2

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!-- DOCTYPE html-->
<html>
  <head></head>
  <body>
    <div class="container">
      <div class="row">
        <div class="col-4">
          1 of 3
        </div>
        <div class="col-auto">
          2 of 3
        </div> == 50
        <div class="col-3">
          3 of 3
        </div>
      </div>
      <div class="row"></div>
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

element.style { }

[class*="col-"], .col { border: 1px solid red; }

.col-auto { flex: 0 0 auto; width: auto; }

.row { flex-wrap: nowrap; margin-right: -10px; margin-left: -10px; }

*::after, *::before { box-sizing: border-box; }

div { display: block; }

Inherited from div.col-4

border: 1px solid red; --bs-gutter-x: 1.5rem; --bs-gutter-y: 0; display: flex; flex-wrap: wrap;

Internshala Trainings

127.0.0.1/bootstrap_example/ 1 of 3 2 of 3 3 of 3

1 of 2 2 of 2

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <div class="container">
      <div class="row">
        <div class="col-4">
          1 of 3
        </div>
        <div class="col-auto">
          2 of 3
        </div>
        <div class="col">
          3 of 3
        </div>
      </div>
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners >

element.style { }

[class*="col-"], .col { border: 1px solid red; } .col { flex: 1 0 0%; } .row* { flex-shrink: 0; width: 100%; max-width: 100%; padding-right: calc(var(--bs-gutter-x)/2); padding-left: calc(var(--bs-gutter-x)/2); margin-top: var(--bs-gutter-y); }, ::after, ::before { box-sizing: border-box; } div { display: block; }

Inherited from div.row

.row { --bs-gutter-x: 1.5em; --bs-gutter-y: 0; display: flex; flex-wrap: wrap; margin-top: calc(var(--bs-gutter-y) * -1); }

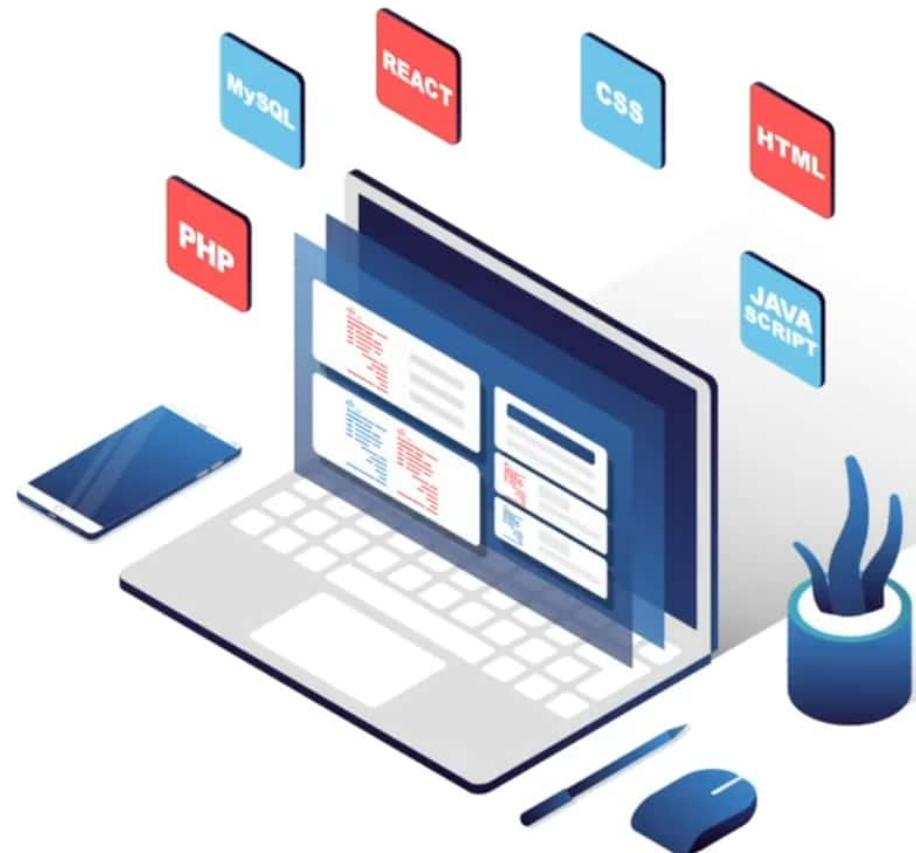
Up next --> Creating a Layout - II



Internshala Trainings

Module 3 > Topic 2 > Video 2

Creating a Layout - II



Internshala Trainings

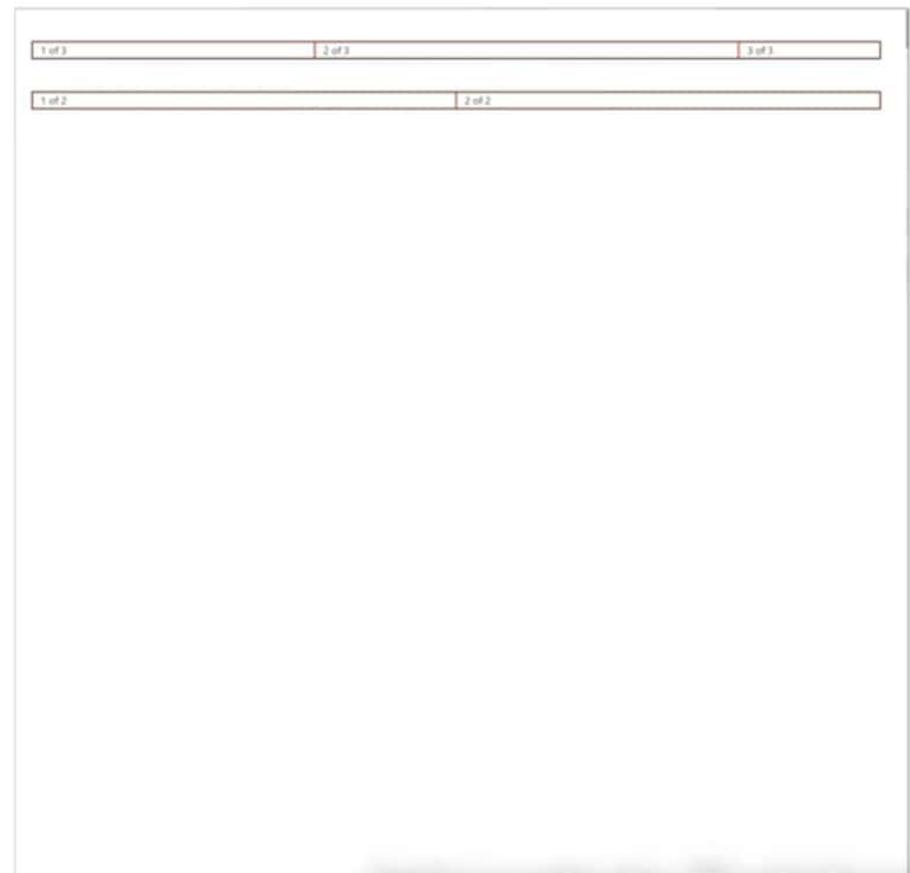
Learning objectives

- Apply breakpoints to create a layout.

HTML code

```
C:\xampp\htdocs\bootstrap_example> index.html > ?  
1 <!DOCTYPE html>  
2 <html>  
3     <head>  
4         <meta name="viewport" content="width=device-width, initial-scale=1">  
5         <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6         <link rel="stylesheet" href="style.css" type="text/css" />  
7     </head>  
8     <body>  
9         <div class="container">  
10            <div class="row">  
11                <div class="col-4">  
12                    1 of 3  
13                </div>  
14                <div class="col-6">  
15                    2 of 3  
16                </div>  
17                <div class="col-2">  
18                    3 of 3  
19                </div>  
20            </div>  
21            <div class="row">  
22                <div class="col-6">  
23                    1 of 2  
24                </div>  
25                <div class="col-6">  
26                    2 of 2  
27                </div>  
28            </div>  
29        </div>  
30    </body>  
31 </html>  
32  
33
```

Output



Laptop



Tablet



Mobile



Internshala Trainings

Range	Symbol	Breakpoint
0-575		≥ 0
576-767	sm	≥ 576
768-991	md	≥ 768
992-1199	lg	≥ 992
1200-1399	xl	≥ 1200
1400-	xxl	≥ 1400

Device	Range	Symbol	Breakpoint
Mobile device	0-575		≥ 0
Mobile landscape	576-767	sm	≥ 576
Tablet	768-991	md	≥ 768
Desktop	992-1199	lg	≥ 992
Extra large desktop	1200-1399	xl	≥ 1200
Extra extra large desktop	1400-	xxl	≥ 1400

col-md-5

- The breakpoint is always used in between 'col' and 'n'.
- It is used to specify after which point the column will be sized accordingly.
- The size of the column will be 5/12 for viewport ≥ 768 pixels.

col-3

- The width of the column will be 3/12 for all the devices with viewport ≥ 0 pixel.

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar contains icons for file operations like Open, Save, Find, and Refresh. The main editor area shows an HTML file named index.html. The code uses Bootstrap's grid system to create three columns in a row, each containing text indicating its position. The code is as follows:

```
C: > xampp > htdocs > bootstrap_example > index.html > ?  
1  <!DOCTYPE html>  
2  <html>  
3      <head>  
4          <meta name="viewport" content="width=device-width, initial-scale=1">  
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6          <link rel="stylesheet" href="style.css" type="text/css" />  
7      </head>  
8      <body>  
9          <div class="container">  
10             <div class="row">  
11                 <div class="col-md-4">  
12                     1 of 3  
13                 </div>  
14                 <div class="col-md-4">  
15                     2 of 3  
16                 </div>  
17                 <div class="col-md-4">  
18                     3 of 3  
19                 </div>  
20             </div>  
21             <div class="row">  
22                 <div class="col-6">  
23                     1 of 2  
24                 </div>  
25                 <div class="col-6">  
26                     2 of 2  
27                 </div>  
28             </div>  
29         </div>  
30     </body>  
31 </html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

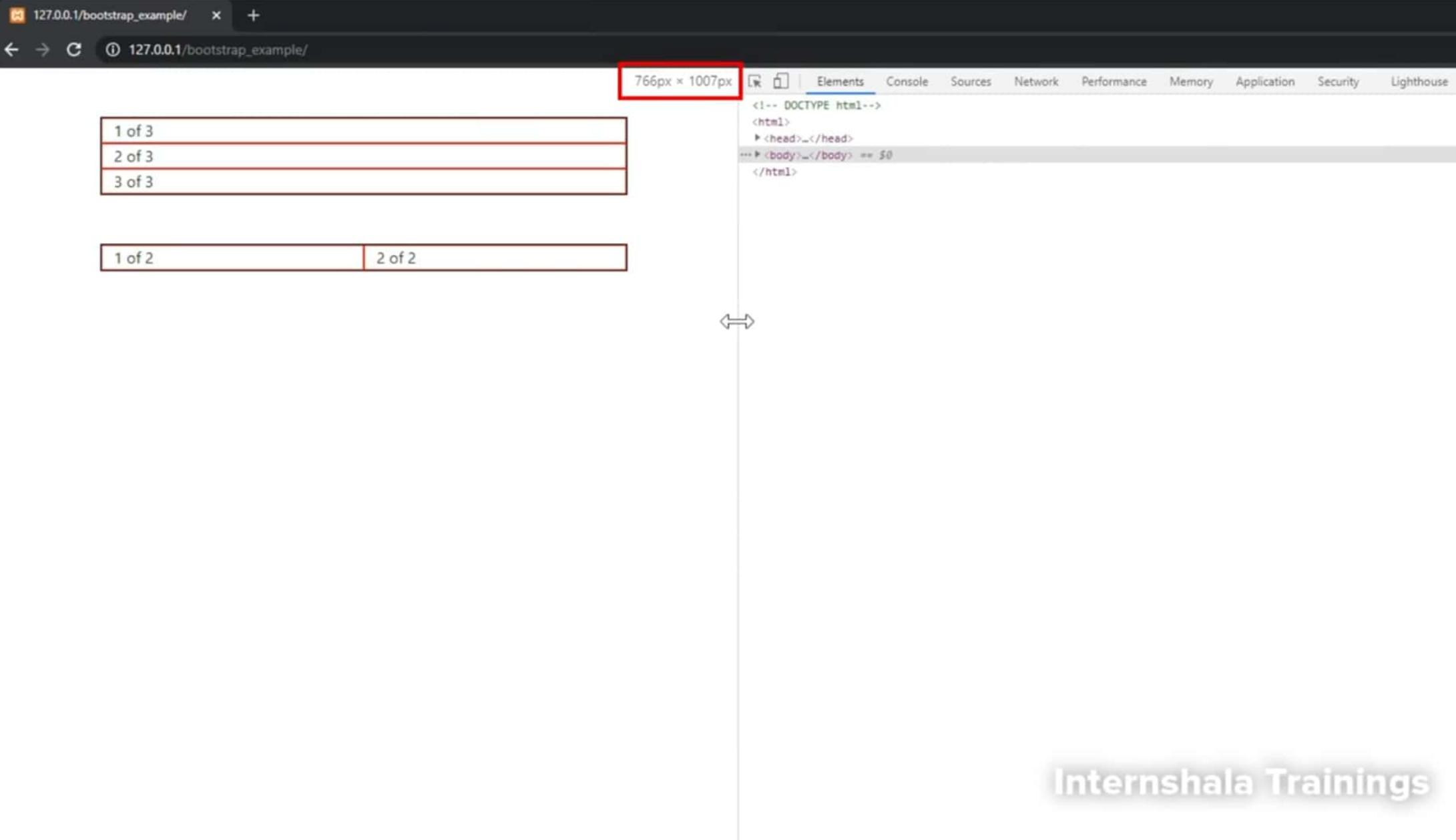
index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-md-4">
12                     1 of 3
13                 </div>
14                 <div class="col-md-4">
15                     2 of 3
16                 </div>
17                 <div class="col-md-4">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings



Internshala Trainings

The screenshot shows a browser window with the URL `127.0.0.1/bootstrap_example/`. The page content includes three sections labeled "1 of 3", "2 of 3", and "3 of 3" stacked vertically. Below them is another row with two items, "1 of 2" and "2 of 2". A red box highlights the entire top section. A tooltip above the highlighted area indicates a size of `766px × 1007px`. The browser's developer tools are open, specifically the `Elements` tab, which displays the following HTML code:

```
<!-- DOCTYPE html-->
<html>
  <head></head>
  ...><body>...</body> == $0
</html>
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-6">
12                     1 of 3
13                 </div>
14                 <div class="col-sm-4">
15                     2 of 3
16                 </div>
17                 <div class="col-md-2">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

index.html - Visual Studio Code



Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-6">
12                     1 of 3
13                 </div>
14                 <div class="col-sm-4">
15                     2 of 3
16                 </div>
17                 <div class="col-md-2">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

127.0.0.1/bootstrap_example/ 127.0.0.1/bootstrap_example/ Incognito

Elements Console Sources Network Performance Memory Application Security Lighthouse

1 of 3
2 of 3
3 of 3

1 of 2 2 of 2

<!DOCTYPE html>
<html>
 <head>...</head>
 <body>...</body>
</html>

Styles Computed Layout Event Listeners >

Filter element.style { } body { background-color: #fff; color: #212529; font-family: var(--bs-font-sans-serif); font-size: 1rem; font-weight: 400; line-height: 1.5; margin: 0; padding: 0; } *, ::after, ::before { box-sizing: border-box; } body { display: block; margin: 0; } Inherited from html :root { --bs-blue: #0d6efd; --bs-indigo: #6610f2; --bs-purple: #6f42c1; --bs-pink: #e63384; --bs-red: #dc3545; --bs-orange: #fd7e14; --bs-yellow: #ffc107; --bs-green: #198754; --bs-teal: #20c997; --bs-cyan: #0dcaf0; --bs-white: #fff; --bs-gray: #c7c7c7; --bs-gray-dark: #343a40; --bs-primary: #0d6efd; --bs-secondary: #6c757d; --bs-success: #198754; --bs-info: #0dcaf0; --bs-warning: #ffc107; --bs-danger: #dc3545; --bs-light: #f8f9fa; --bs-dark: #212529; --bs-font-sans-serif: system-ui, -apple-system, "Segoe UI", Roboto, "Helvetica Neue", Arial, "Noto Sans", "Liberation Sans", sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol", "Noto Color Emoji"; --bs-font-monospace: SFMono-Regular, Menlo, Monaco, Consolas, "Liberation Mono", "Courier New", monospace; --bs-gradient: linear-gradient(180deg, #rgba(255, 255, 255, 0.15), #rgba(255, 255, 255, 0)); }

Pseudo :before element *, ::after, ::before { box-sizing: border-box; }

Internshala trainings

127.0.0.1/bootstrap_example/ + Incognito

1 of 3 2 of 3

3 of 3

1 of 2 2 of 2

576px 1007px

Elements Console Sources Network Performance Memory Application Security Lighthouse

Styles Computed Layout Event Listeners >

Filter :<hov .cls +, □ ^

element.style { }

```
<!-- DOCTYPE html-->
<html>
  <head>...</head>
  <body> ...</body>
    <div class="container">...</div>
</html>
```

body { margin: 0; font-family: var(--bs-font-sans-serif); font-size: 1rem; font-weight: 400; line-height: 1.5; color: #212529; background-color: #fff; -webkit-text-size-adjust: 100%; -webkit-tap-highlight-color: transparent; }

*::after, *::before { box-sizing: border-box; }

body { user-agent stylesheet margin-top: 0px; }

Inherited from html

```
:root { bootstrap.min.css:6
--bs-blue: #0d6efd;
--bs-indigo: #6610f2;
--bs-pink: #e63384;
--bs-purple: #6f42c1;
--bs-pink: #e63384;
--bs-red: #dc3545;
--bs-orange: #fd7e14;
--bs-yellow: #ffc107;
--bs-green: #198754;
--bs-teal: #209997;
--bs-cyan: #0dcaf0;
--bs-white: #fff;
--bs-gray: #c7c7c7;
--bs-gray-dark: #343a40;
--bs-primary: #0d6efd;
--bs-secondary: #6c757d;
--bs-success: #198754;
--bs-info: #0dcaf0;
--bs-warning: #ffc107;
--bs-danger: #dc3545;
--bs-light: #f6f9fa;
--bs-dark: #212529;
--bs-font-sans-serif: system-ui,-apple-system,"Segoe UI",Roboto,"Helvetica Neue",Arial,"Noto Sans","Liberation Sans",sans-serif,"Apple Color Emoji","Segoe UI Emoji","Segoe UI Symbol","Noto Color Emoji";
--bs-font-monospace: SFMono-Regular,Menlo,Monaco,Consolas,"Liberation Mono","Courier New",monospace;
--bs-gradient: linear-gradient(180deg, #rgba(255, 255, 255, 0.15), #rgba(255, 255, 255, 0)); }
```

Bootstrap.min.css:6

*, *::after, *::before { box-sizing: border-box; }

Scanned with CamScanner

The screenshot shows a browser window with two tabs open: "127.0.0.1/bootstrap_example/" and "127.0.0.1/bootstrap_example/". The main content area displays a grid layout with three columns and two rows of cards, each containing the text "1 of 3", "2 of 3", and "3 of 3" respectively, and "1 of 2" and "2 of 2". To the right of the browser is the developer tools panel, specifically the "Elements" tab. The left pane of the developer tools shows the DOM tree:

```
<!-- DOCTYPE html-->
<html>
  <head>...</head>
  ...</body> ...
    <div class="container">...</div>
</body>
</html>
```

The right pane displays the CSS styles applied to the body element, which includes Bootstrap's global styles. The styles are organized into several sections:

- element.style { }**
- body {** bootstrap.min.css:6
 - margin: 0;
 - font-family: var(--bs-font-sans-serif);
 - font-size: 1rem;
 - font-weight: 400;
 - line-height: 1.5;
 - color: #212529;
 - background-color: #fff;
 - webkit-text-size-adjust: 100%;
 - webkit-tap-highlight-color: transparent;
- , ::after, ::before {** bootstrap.min.css:6
 - box-sizing: border-box;
- body {** user agent stylesheet
 - display: block;
 - margin: 0px;
- Inherited from html**
- :root {** bootstrap.min.css:6
 - bs-blue: #0d6efd;
 - bs-indigo: #6610f2;
 - bs-purple: #6f42c1;
 - bs-pink: #e63384;
 - bs-red: #dc3545;
 - bs-orange: #fd7e14;
 - bs-yellow: #ffc107;
 - bs-green: #198754;
 - bs-teal: #20c997;
 - bs-cyan: #0dcacf0;
 - bs-white: #fff;
 - bs-gray: #c7c7d7;
 - bs-gray-dark: #343a40;
 - bs-primary: #0d6efd;
 - bs-secondary: #6610f2;
 - bs-success: #198754;
 - bs-info: #0dcacf0;
 - bs-warning: #ffc107;
 - bs-danger: #dc3545;
 - bs-light: #f8f9fa;
 - bs-dark: #212529;
 - bs-font-sans-serif: system-ui,-apple-system,"Segoe UI",Roboto,"Helvetica Neue",Arial,"Noto Sans","Liberation Sans",sans-serif,"Apple Color Emoji","Segoe UI Emoji","Segoe UI Symbol","Noto Color Emoji";
 - bs-font-monospace: SFMono-Regular,Menlo,Monaco,Consolas,"Liberation Mono","Courier New",monospace;
 - bs-gradient: linear-gradient(180deg, #rgba(255, 255, 255, 0.15), #rgba(255, 255, 255, 0));
- Pseudo-elements**
- , ::after, ::before {** bootstrap.min.css:6
 - box-sizing: border-box;

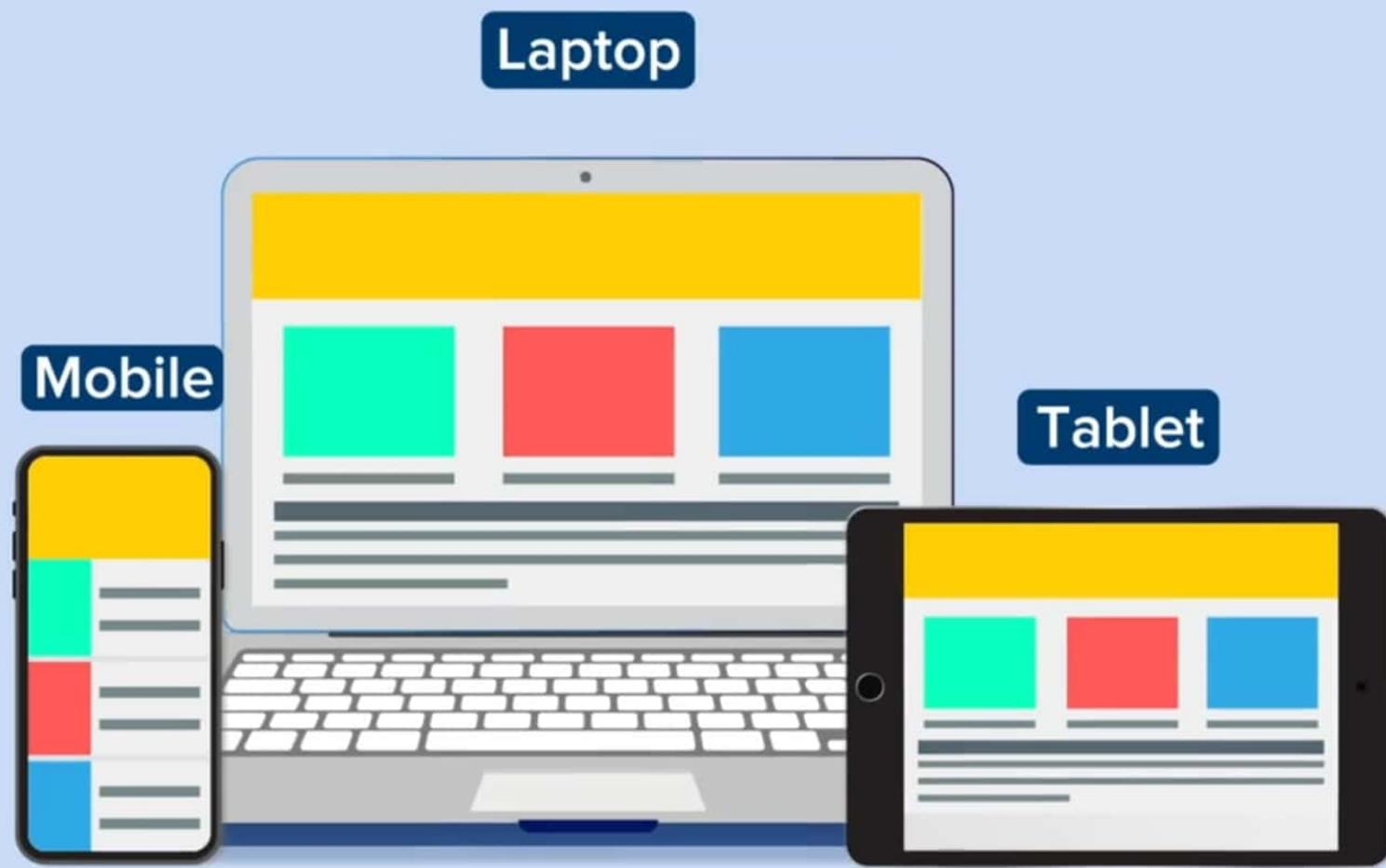
Internshala Trainings

Exercise

```
<div class="row">
  <div class="col-sm-6 col-lg-4">1 of 3</div>
  <div class="col col-md-2 col-lg-4">2 of 3</div>
  <div class="col-4 col-sm col-md-4">3 of 3</div>
</div>
```

- ⌚ **Mobile first approach.**

Internshala Trainings



Internshala Trainings

Module 3 > Topic 2 > Video 3

Predefined Classes in Bootstrap



Internshala Trainings

Learning objective

- Apply various bootstrap classes to create a layout of a web page.

Bootstrap classes

- align-items
- align-self
- justify-content
- offset

Align-items

- It takes three values: start, center, and end.
- It defines the vertical alignment of the columns inside a row when there is an extra height.

C: > xampp > htdocs > hello.html > ?

```
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row align-items-end">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3">
15                     2 of 3
16                 </div>
17                 <div class="col-5">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

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C: > xampp > htdocs > hello.html > ?

```
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row align-items-end">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3">
15                     2 of 3
16                 </div>
17                 <div class="col-5">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

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1 of 3

2 of 3

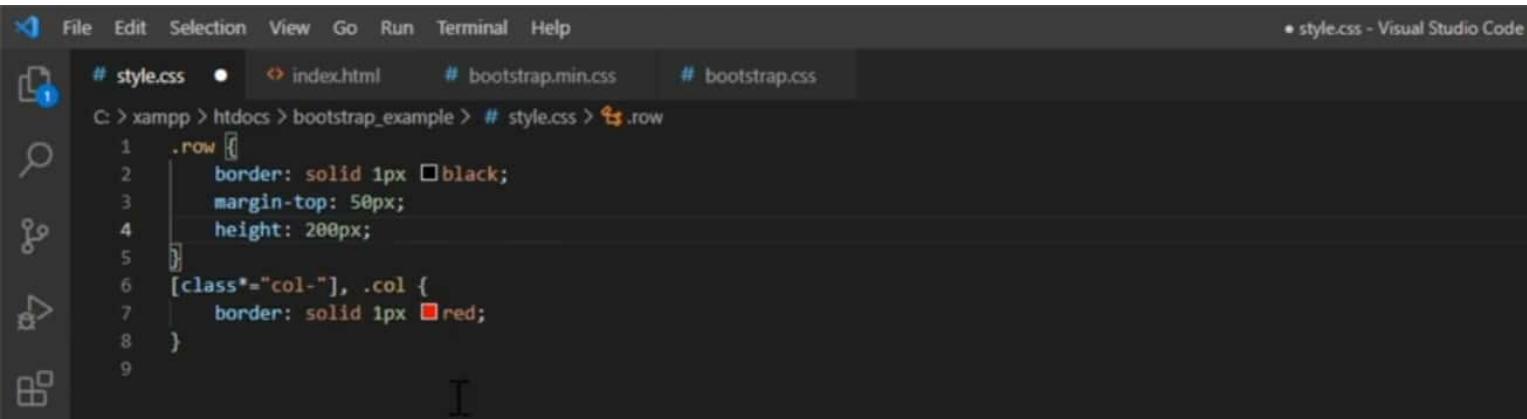
3 of 3

1 of 2

2 of 2



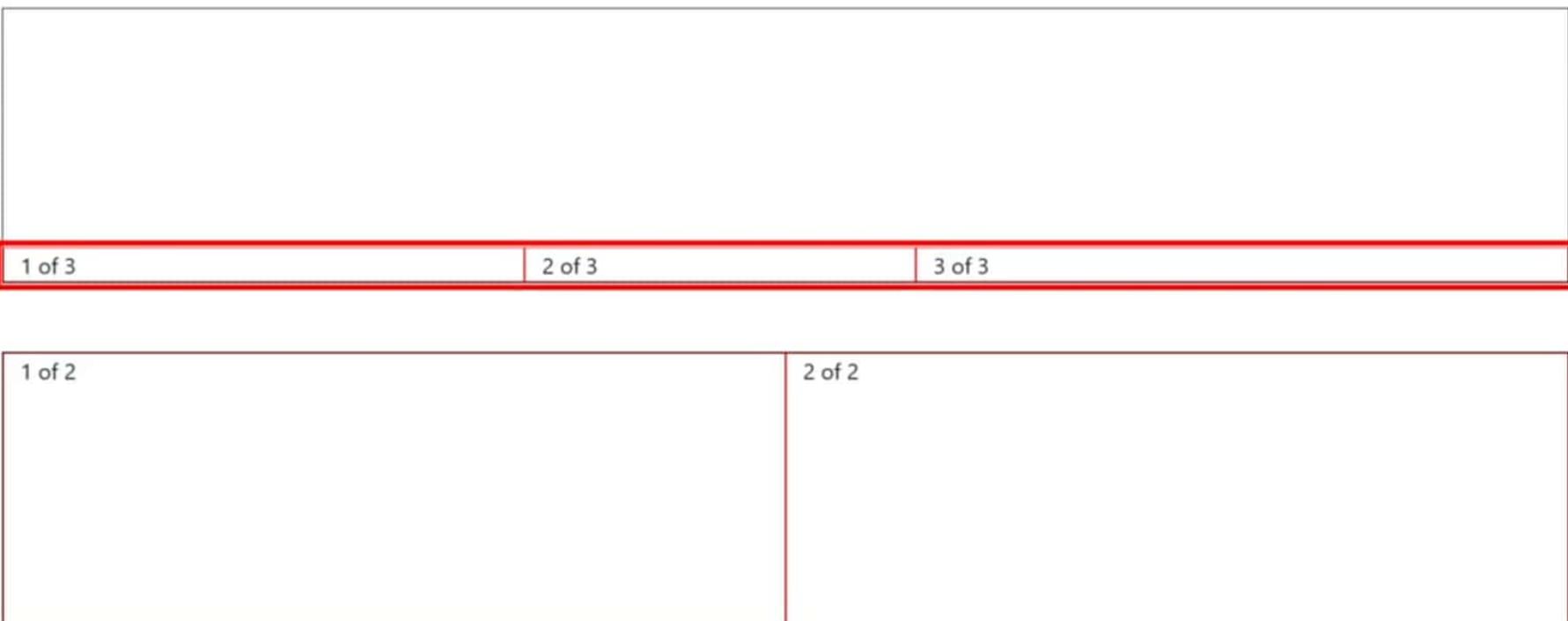
Internshala Trainings



A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows the file path C:\xampp\htdocs\bootstrap_example\# style.css - Visual Studio Code. The left sidebar contains icons for file operations like Open, Save, Find, and Refresh. The main editor area displays the following CSS code:

```
# style.css • index.html # bootstrap.min.css # bootstrap.css  
C:\xampp\htdocs\bootstrap_example\# style.css .row  
1 .row {  
2   border: solid 1px black;  
3   margin-top: 50px;  
4   height: 200px;  
5 }  
6 [class*="col-"], .col {  
7   border: solid 1px red;  
8 }  
9
```

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Exercise

- Apply values start and center to the align-items class and observe the output.
- Download the code from below the video.

Note: The align-items class values will be only applicable to the flex container.

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Align-self

- It takes three values: start, center, and end.
- It defines the vertical alignment of each column inside a row when there is an extra height.
- Can only be applied to flex items.

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar says "index.html - Visual Studio Code". The left sidebar has icons for file, search, and other functions. The main editor area shows the following HTML code:

```
C: > xampp > htdocs > bootstrap_example > index.html > ?  
1  <!DOCTYPE html>  
2  <html>  
3      <head>  
4          <meta name="viewport" content="width=device-width, initial-scale=1">  
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6          <link rel="stylesheet" href="style.css" type="text/css" />  
7      </head>  
8      <body>  
9          <div class="container">  
10             <div class="row align-items-start">  
11                 <div class="col-4">  
12                     1 of 3  
13                 </div>  
14                 <div class="col-3">  
15                     2 of 3  
16                 </div>  
17                 <div class="col-5">  
18                     3 of 3  
19                 </div>  
20             </div>  
21             <div class="row">  
22                 <div class="col-6">  
23                     1 of 2  
24                 </div>  
25                 <div class="col-6">  
26                     2 of 2  
27                 </div>  
28             </div>  
29         </div>  
30     </body>  
31 </html>
```

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A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The status bar at the top right shows "index.html - Visual Studio Code". The left sidebar contains icons for file operations like Open, Save, Find, and Refresh. The main editor area displays an HTML file with Bootstrap styling. The code uses Bootstrap's grid system with classes like container, row, col-4, col-3, col-5, col-6, and align-self-center. The file path in the title bar is C:\xampp\htdocs\bootstrap_example\index.html. The code content is as follows:

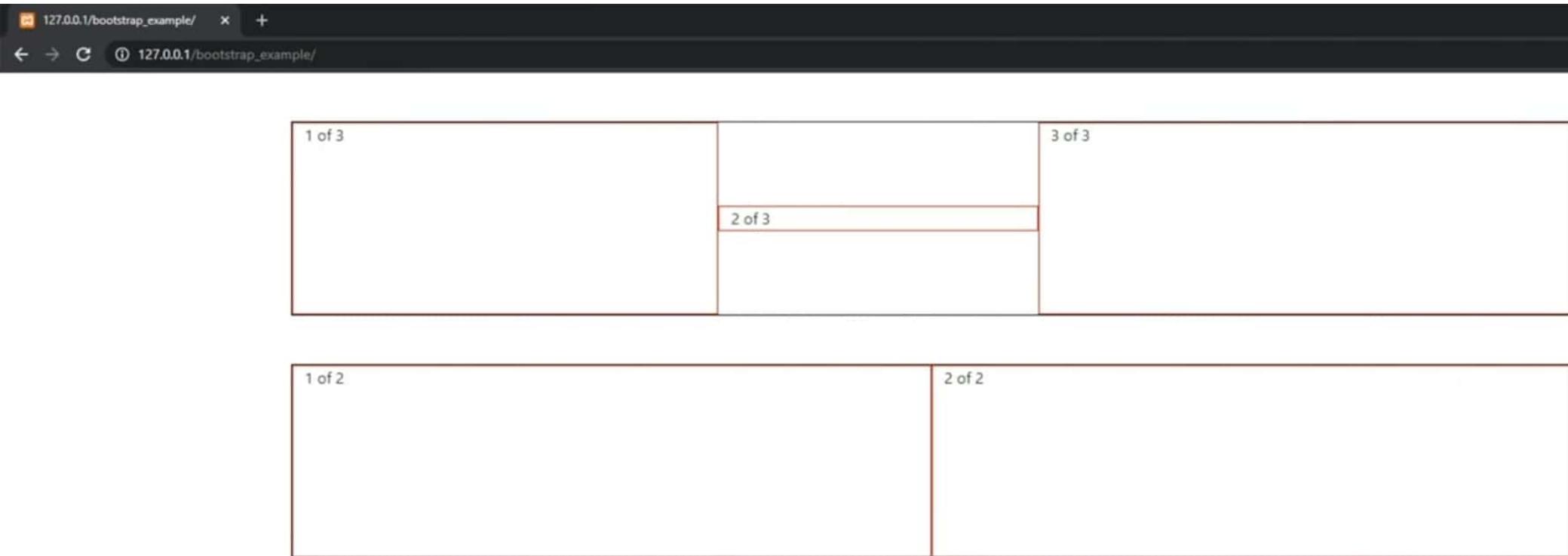
```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3 align-self-center">
15                     2 of 3
16                 </div>
17                 <div class="col-5">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

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A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "style.css - Visual Studio Code". The left sidebar has icons for file operations like Open, Save, Find, and Refresh. The main editor area displays the following CSS code:

```
# style.css  X  index.html  # bootstrap.min.css  # bootstrap.css  
C: > xampp > htdocs > bootstrap_example > # style.css > ...  
1 .row {  
2   border: solid 1px black;  
3   margin-top: 50px;  
4   height: 200px;  
5 }  
6 [class*="col-"], .col {  
7   border: solid 1px red;  
8 }  
9
```

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Internshala Trainings



Exercise

- Apply values start and end to the align-self class and observe the output.
- Download the code from below the video.

Note: The align-self class values will be only applicable to the flex items.

Internshala Trainings

Justify-content

- It takes three values: start, center, and end.
- It defines the horizontal alignment of the columns inside a row when there is an extra width.

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "index.html - Visual Studio Code". The left sidebar has icons for file, search, and other functions. The main editor area displays the following HTML code:

```
C: > xampp > htdocs > bootstrap_example > > index.html > ?  
1  <!DOCTYPE html>  
2  <html>  
3      <head>  
4          <meta name="viewport" content="width=device-width, initial-scale=1">  
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />  
6          <link rel="stylesheet" href="style.css" type="text/css" />  
7      </head>  
8      <body>  
9          <div class="container">  
10             <div class="row">  
11                 <div class="col-4">  
12                     1 of 3  
13                 </div>  
14                 <div class="col-3">  
15                     2 of 3  
16                 </div>  
17                 <div class="col-3">  
18                     3 of 3  
19                 </div>  
20             </div>  
21             <div class="row">  
22                 <div class="col-6">  
23                     1 of 2  
24                 </div>  
25                 <div class="col-6">  
26                     2 of 2  
27                 </div>  
28             </div>  
29         </div>  
30     </body>  
31 </html>  
32  
33
```

Internshala Trainings

File Edit Selection View Go Run Terminal Help

index.html - Visual Studio Code

style.css index.html X # bootstrap.min.css # bootstrap.css

C: > xampp > htdocs > bootstrap_example > index.html > ?

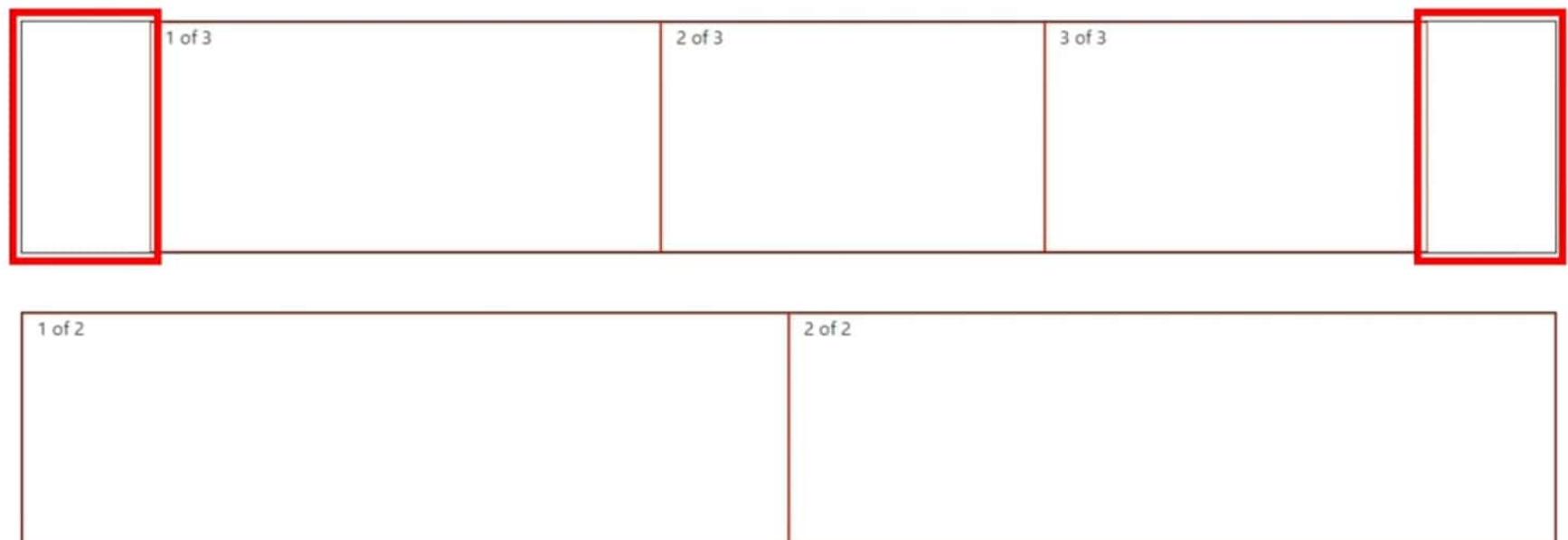
```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3">
15                     2 of 3
16                 </div>
17                 <div class="col-3">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows the file path C:\xampp\htdocs\bootstrap_example\index.html - Visual Studio Code. The left sidebar has icons for file, search, and other functions. The main editor area displays the following HTML code:

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row justify-content-center">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3">
15                     2 of 3
16                 </div>
17                 <div class="col-3">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

Internshala Trainings



Exercise

- Apply values start and end to the justify-content class and observe the output. Observe the output when the class 'col' value is 'col'.
- Download the code from below the video.

Note: The justify-content class values will be only applicable to the flex container.



Offset

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A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows the file path C:\xampp\htdocs\bootstrap_example\index.html - Visual Studio Code. The left sidebar has icons for file, search, and other functions. The main editor area displays the following HTML code:

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3 offset-2">
15                     2 of 3
16                 </div>
17                 <div class="col-3">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

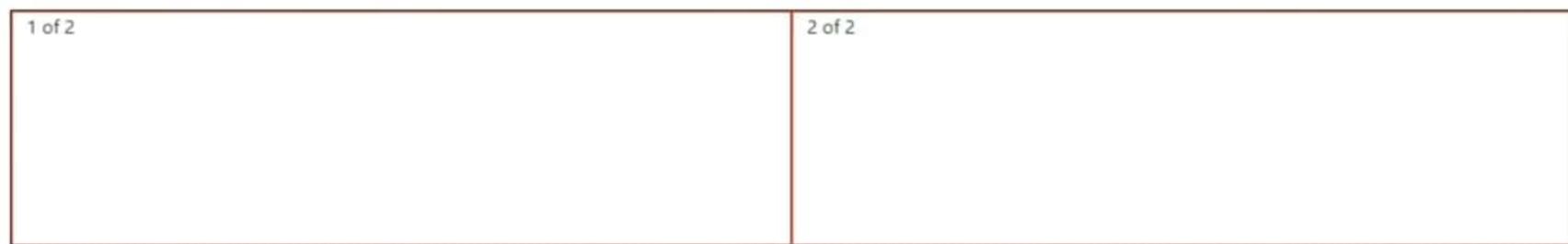
Internshala Trainings

A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The status bar at the top right shows "index.html - Visual Studio Code". The left sidebar has icons for file, search, and other functions. The main editor area displays an HTML file with the following code:

```
File Edit Selection View Go Run Terminal Help
# style.css    index.html ● # bootstrap.min.css    # bootstrap.css
C: xampp > htdocs > bootstrap_example > index.html > ??
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3 offset-2">
15                     2 of 3
16                 </div>
17                 <div class="col-3">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

The line containing the highlighted code is line 14: <div class="col-3 offset-2">. The code inside this div is: 2 of 3.

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Internshala Trainings

File Edit Selection View Go Run Terminal Help

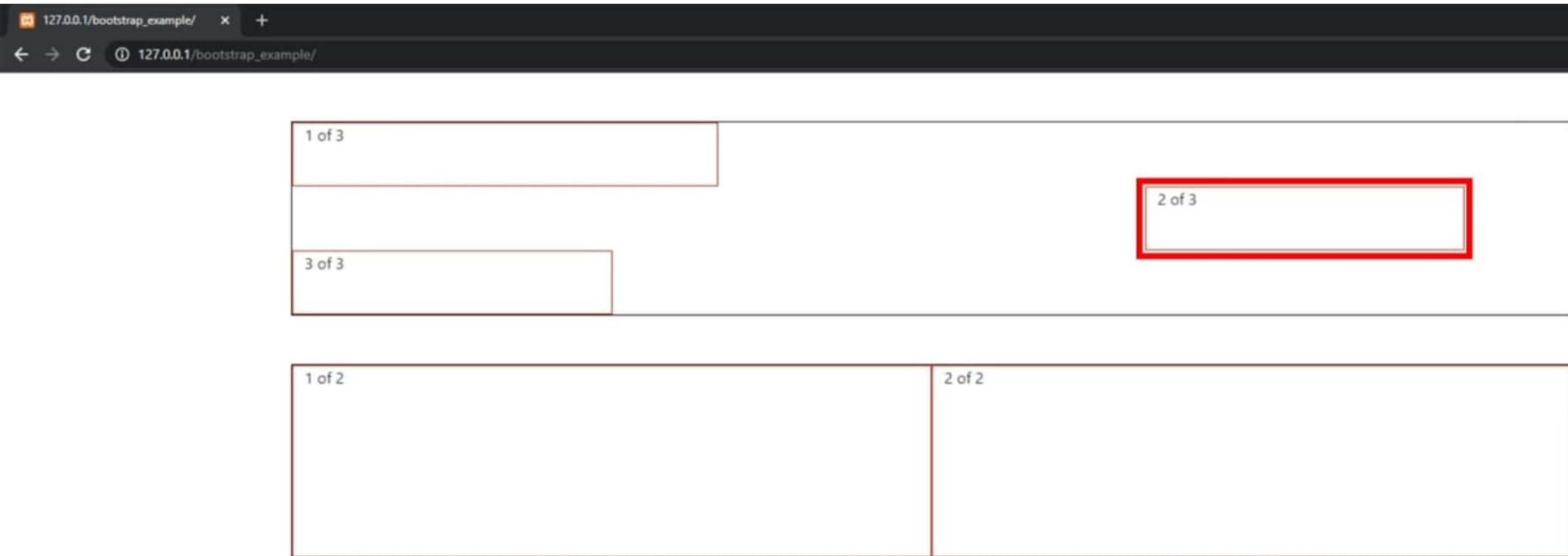
* index.html - Visual Studio Code

style.css index.html ● # bootstrap.min.css # bootstrap.css

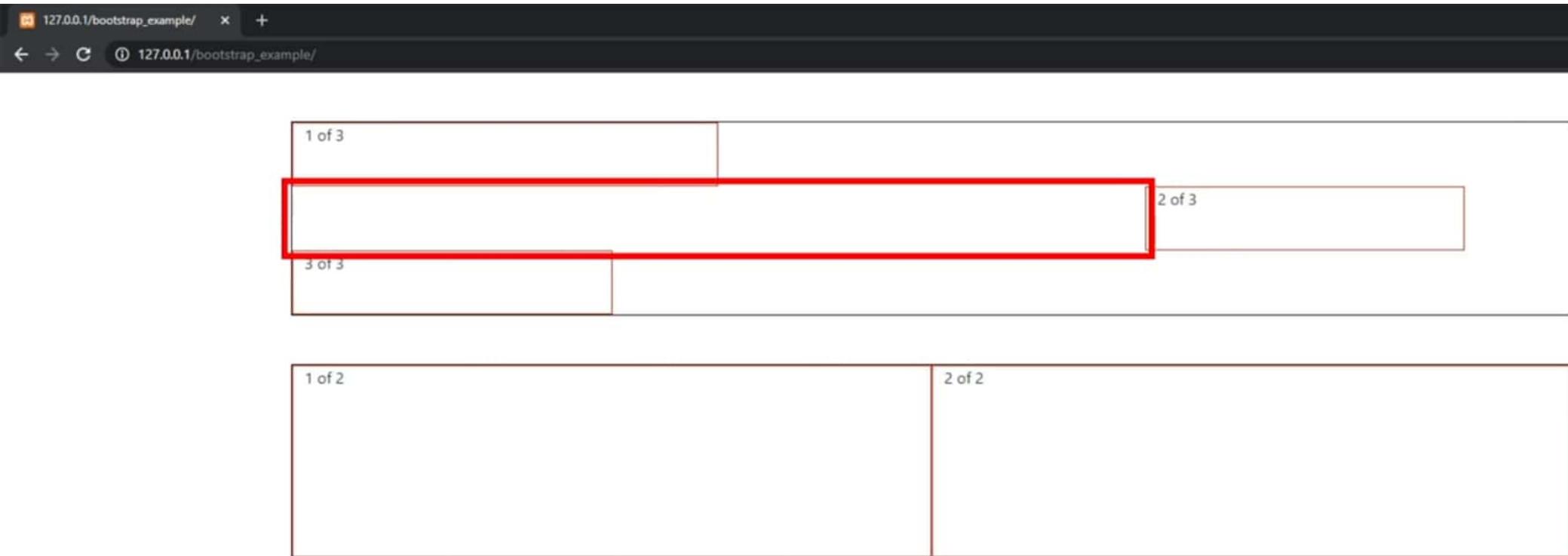
C: > xampp > htdocs > bootstrap_example > index.html > ?

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <link rel="stylesheet" href="bootstrap.min.css" type="text/css" />
6          <link rel="stylesheet" href="style.css" type="text/css" />
7      </head>
8      <body>
9          <div class="container">
10             <div class="row">
11                 <div class="col-4">
12                     1 of 3
13                 </div>
14                 <div class="col-3 offset-8">
15                     2 of 3
16                 </div>
17                 <div class="col-3">
18                     3 of 3
19                 </div>
20             </div>
21             <div class="row">
22                 <div class="col-6">
23                     1 of 2
24                 </div>
25                 <div class="col-6">
26                     2 of 2
27                 </div>
28             </div>
29         </div>
30     </body>
31 </html>
```

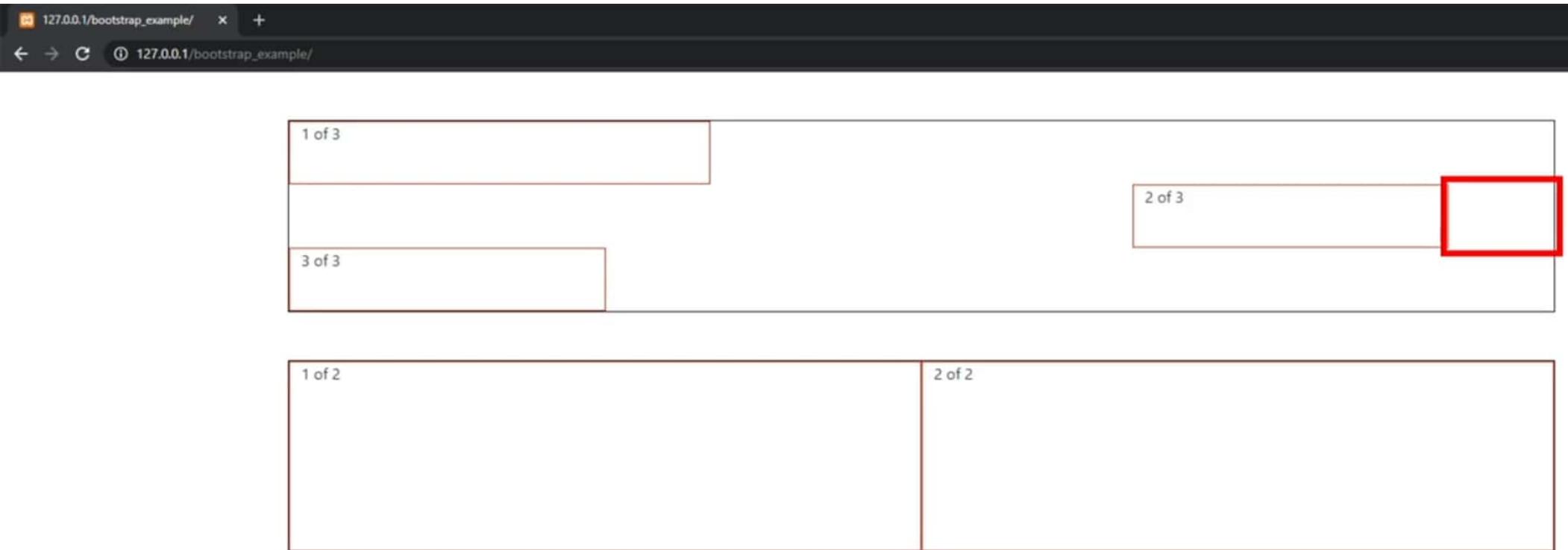
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Exercise

- What will be the maximum offset value for the second column if it is assigned a value of 3 units?
- Use breakpoints in offset and observe the output.
Example: offset-md-4.
- Download the code from below the video.

Note: The offset class values are applicable to both the flex container and flex items.

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