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Section: 1

Sheet1

Exercise 1:

Basic HTML Structure Create an HTML document with the proper structure (<!DOCTYPE html>, <html>,<head>, <body>).



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 </head>
5 <body>
6
7 </body>
8 </html>
```

Exercise 2:

Head Elements Add <title>, <meta charset="UTF-8">, and <link rel="stylesheet" type="text/css" href="styles.css"> in the <head> section.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <link rel="stylesheet" href="style.css">
6     <title>EXERCISE2</title>
7 </head>
8 <body>
9
10 </body>
11 </html>
```

Exercise 3:

Text Formatting Inside <body>, include: Headings (<h1> to <h6>) Paragraphs (<p>) Bold () and italics (<i>) → Goal: Explore different ways to format text.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>EXERCISE2</title>
7 </head>
8 <body>
9     <h1>head 1</h1>
10    <h2>head 2</h2>
11    <h3>head 3</h3>
12    <h4>head 4</h4>
13    <h5>head 5</h5>
14    <h6>head 6</h6>
15    <p>
16        <i><b>Lorem ipsum</b></i> dolor sit amet consectetur adipisicing elit. Praesentium,
17        assumenda. Doloremque numquam cumque amet. Quo voluptate nostrum quos
18        optio ut!
19    </p>
20 </body>
21 </html>
```

Output:

head 1

head 2

head 3

head 4

head 5

head 6

Lorem ipsum dolor sit amet consectetur adipisicing elit. Praesentium, assumenda. Doloremque numquam cumque amet. Quo voluptate nostrum quos optio ut!

Exercise 4:

Lists Create an ordered () and an unordered () list. Include at least 3 list items () in each.

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <link rel="stylesheet" href="style.css" />
6      <title>EXERCISE2</title>
7    </head>
8    <body>
9      <!--ordered list-->
10     <ol>
11       <li>marwan</li>
12       <li>mohamed</li>
13       <li>ramdan</li>
14     </ol>
15     <!--unordered list-->
16     <ul>
17       <li>orange</li>
18       <li>frutes</li>
19       <li>apple</li>
20     </ul>
21   </body>
22 </html>
```

Output:

1. marwan
2. mohamed
3. ramdan

- orange
- frutes
- apple

Exercise 5:

Hyperlinks Use <a> to create the following:

External link to a website

Internal link to another HTML file in the same folder

→ Goal: Understand relative and absolute URLs.

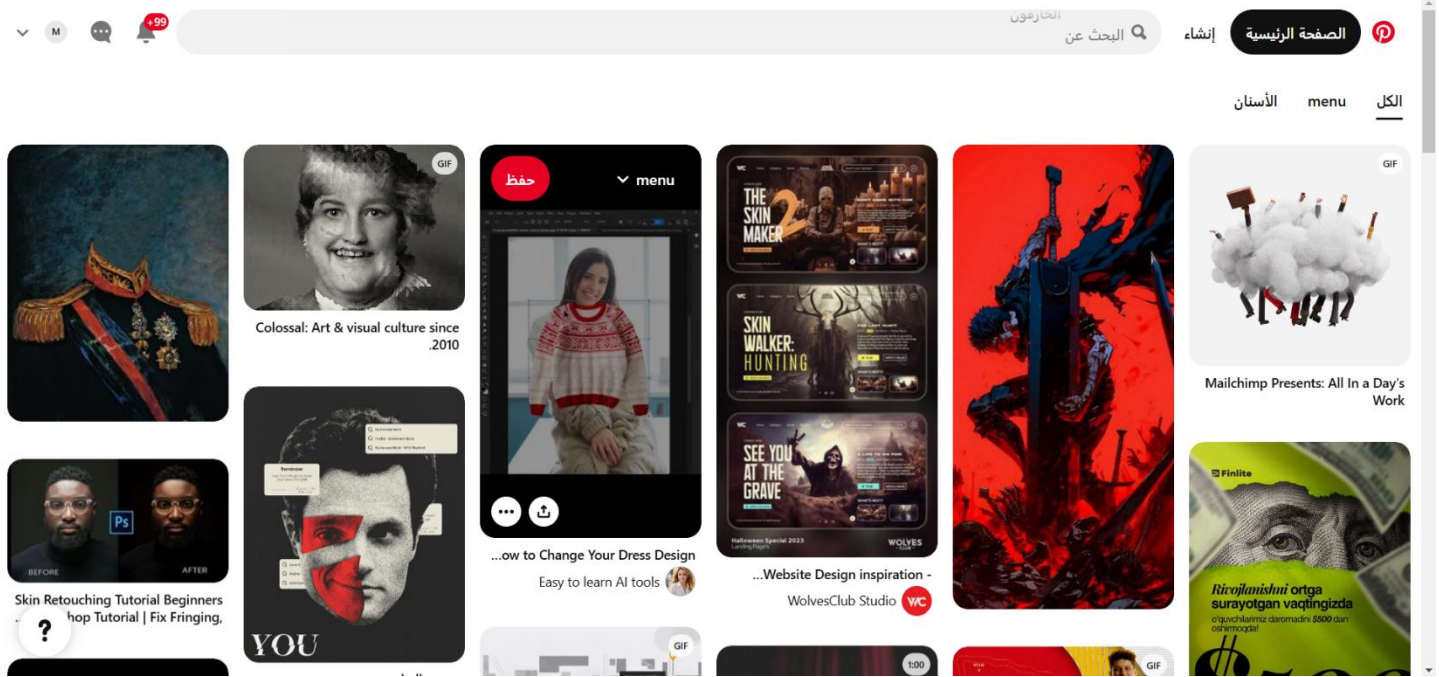
```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>EXERCISE2</title>
7   </head>
8   <body>
9     <a href="https://www.pinterest.com/" target="_blank">pinterest</a><br><br>
10    <a href="info.html">info</a>
11  </ul>
12 </body>
13 </html>
```

Output:

[pinterest](https://www.pinterest.com/)

[info](info.html)

If I click on pinterest link:



It will be open in another tab because I am using target = "_blank"

If I click on info link “another HTML file in the same folder”:

My Info

My Name is: **Marwan Mohamed**
Iam **available** for hire
My hour old price is ~~10\$~~ the new price is **30\$**

there is some of my clients



My skills:

- html
- css
- javascript
 - vue.js
 - react.js
 - angular
 - 1. v1
 - 2. v2
 - 3. v3
 - svelte
- python

It will be open in the same tab

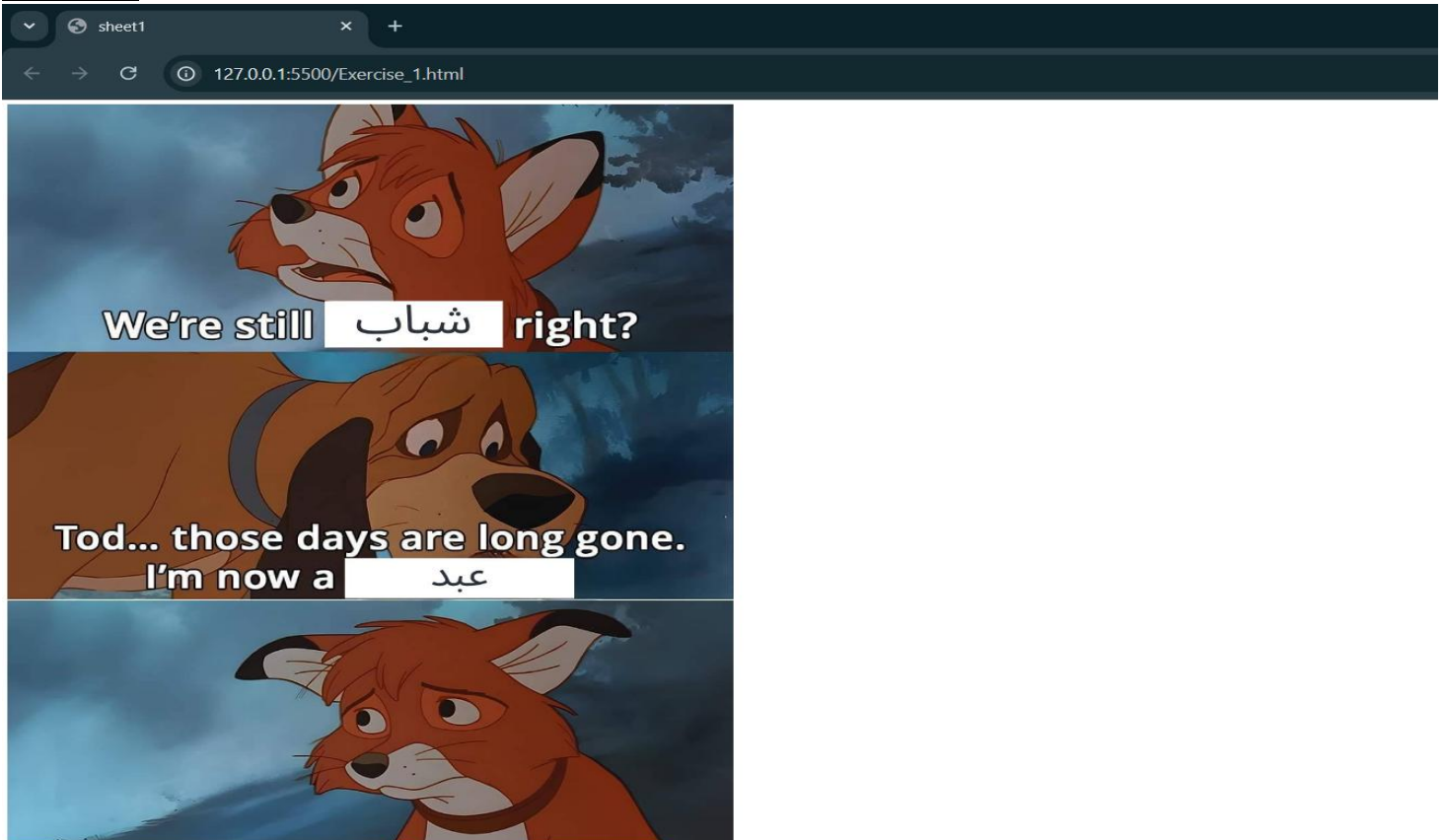
Exercise 6:

Images

Insert an image () into your document.
Specify alt attribute for accessibility.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>EXERCISE2</title>
7   </head>
8   <body>
9     
10  </ul>
11 </body>
12 </html>
```

Output:



Exercise 7:

Tables

Create a table (<table>) with headers (<th>) and at least 2 rows (<tr>) and 2 columns (<td>).

→ Goal: Learn how to structure data in table format.

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <link rel="stylesheet" href="style.css" />
6      <title>sheet1</title>
7    </head>
8    <body>
9      <table border="1">
10        <tr>
11          <th>Name</th>
12          <th>Level</th>
13        </tr>
14        <tr>
15          <td>marwan</td>
16          <td>100</td>
17        </tr>
18        <tr>
19          <td>kareem</td>
20          <td>100</td>
21        </tr>
22      </table>
23    </body>
24  </html>
```

Output:

| Name | Level |
|--------|-------|
| marwan | 100 |
| kareem | 100 |

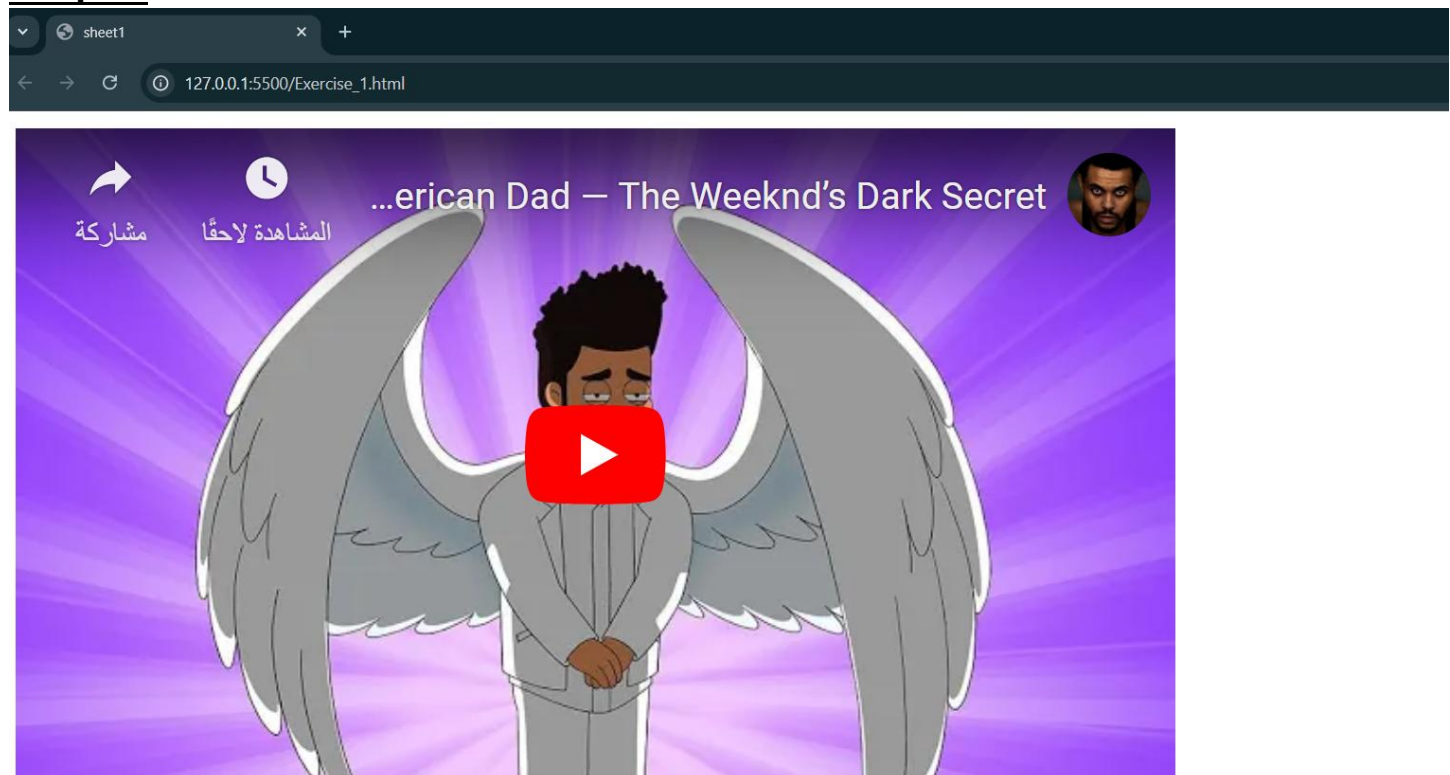
Exercise 8:

Embedding Multimedia

Embed a YouTube video using the <iframe> tag.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>sheet1</title>
7   </head>
8   <body>
9     <iframe
10      width="560"
11      height="315"
12      src="https://www.youtube.com/embed/S70TZMopkUg?si=sddqj3bok2DJxvrc"
13      title="YouTube video player"
14      frameborder="0"
15      allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"
16      referrerpolicy="strict-origin-when-cross-origin"
17      allowfullscreen>
18   </iframe>
19 </body>
20 </html>
```

Output:



Exercise 9:

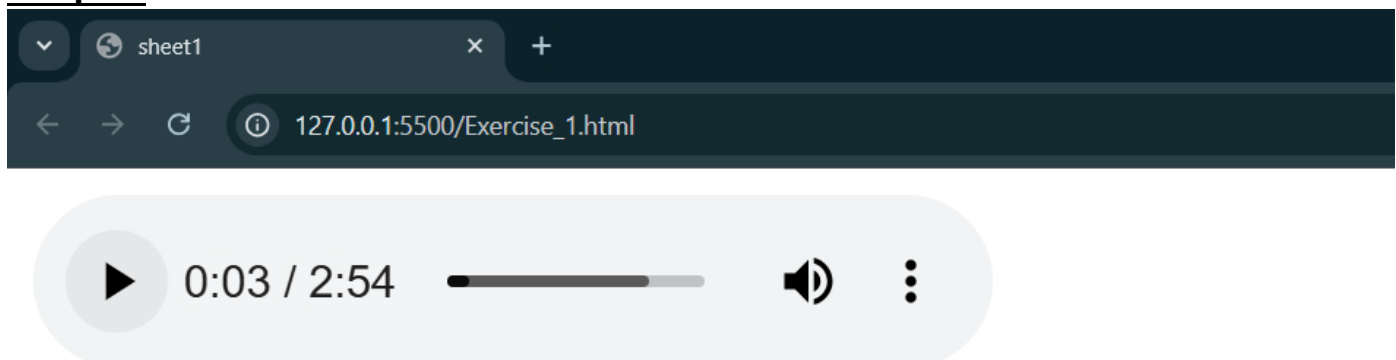
Audio Elements

Embed an audio clip using the <audio> element.

Include controls, autoplay, and loop attributes to manipulate audio playback.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>sheet1</title>
7   </head>
8   <body>
9     <audio controls loop autoplay>
10       <source src="فاقد الوقت.mp3" type="audio/mp3">
11     </audio>
12   </body>
13 </html>
```

Output:



Exercise 10:

HTML5 Video Elements

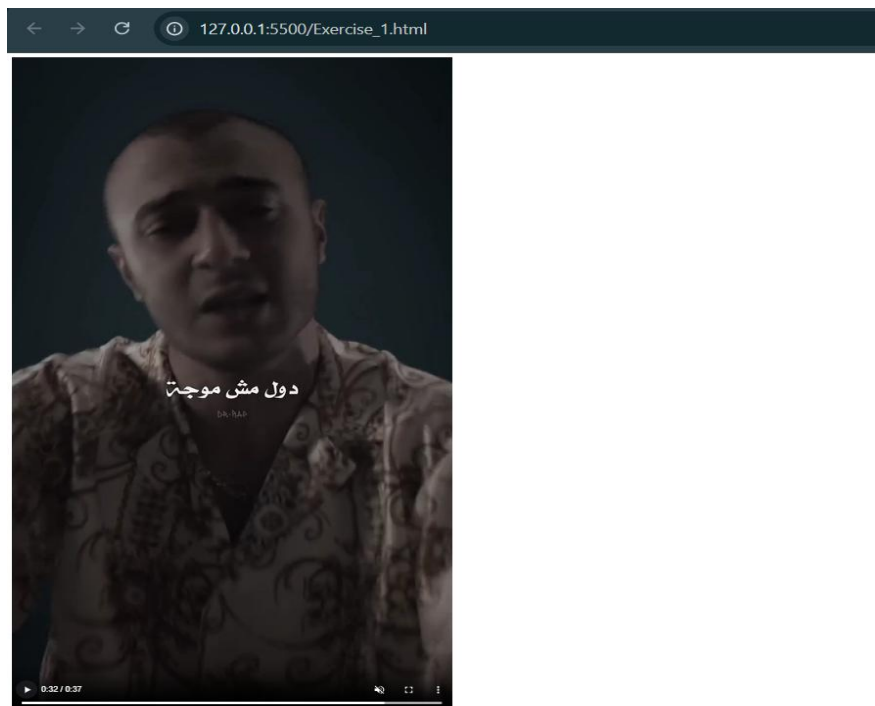
Embed a video clip using the <video> element.

Include controls, autoplay, and muted attributes for video playback.

→ Goal: Familiarize with video control attributes.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>sheet1</title>
7   </head>
8   <body>
9     <video controls loop autoplay muted>
10       <source src="shahyne.mp4" type="audio/mp4">
11     </video>
12   </body>
13 </html>
```

Output:



Exercise 11:

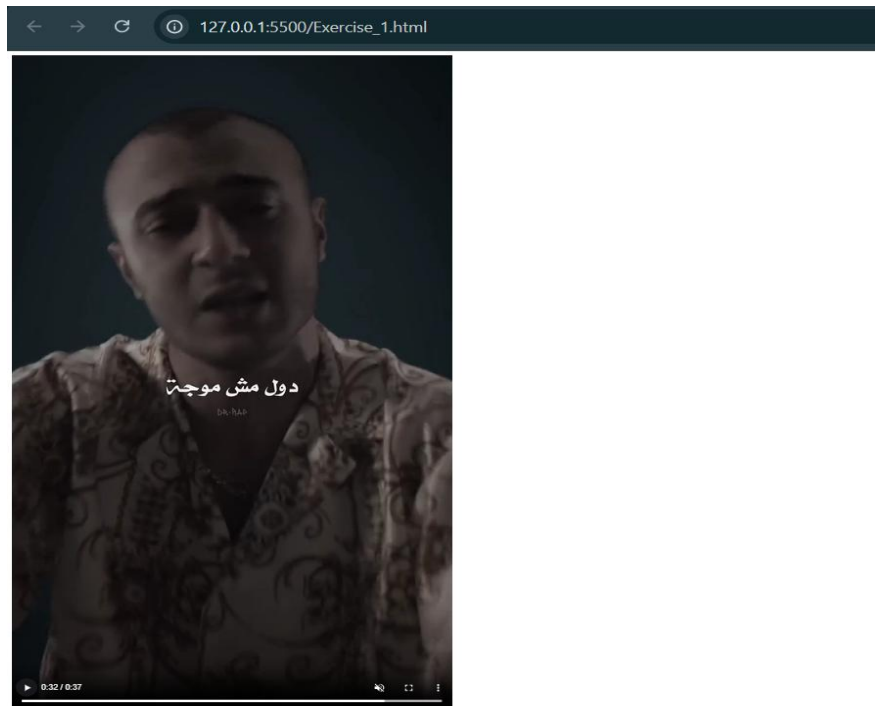
Text and Multimedia Synchronization

Use HTML elements to display text (e.g., subtitles) synchronized with a video or audio clip.

→ Goal: Explore advanced multimedia integration.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>sheet1</title>
7   </head>
8   <body>
9     <video controls loop autoplay muted>
10       <source src="shahyne.mp4" type="audio/mp4">
11       <track src = "link to arabic translate" srclang="arabic" label="arabic">
12     </video>
13   </body>
14 </html>
```

Output:



I don't have a sub-file to display it

Exercise 12:

Global Attributes

Create an HTML element and apply global attributes like class, id, style, and title.

→ Goal: Learn to use global attributes for element identification and styling.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>sheet1</title>
7     <style>
8       .highlight {
9         background-color: blue;
10        font-weight: bold;
11        font-size: xx-large;
12      }
13    </style>
14  </head>
15  <body>
16    <div class="highlight" title="This is a menu">
17      <menu type="toolbar">home</menu>
18    </div>
19    <p style="color: crimson;">This is bad style</p>
20  </body>
21 </html>
```

Output:

home

This is bad style

Exercise 13:

Inline and Block Elements

Use inline (, , <i>) and block (<div>, <p>, <h1>) elements.

Apply the style attribute to adjust dimensions (height, width).

→ Goal: Understand the visual rendering differences between inline and block elements.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <link rel="stylesheet" href="style.css" />
6     <title>sheet1</title>
7     <style>
8       span {
9         color: red;
10      }
11    </style>
12  </head>
13  <body>
14    <h1>sheet1</h1>
15    <p>
16      <b>Lorem ipsum</b> dolor sit amet consectetur, adipisicing elit. Obcaecati
17      dicta, voluptatibus consequuntur porro nam soluta
18      <i>illum possimus</i> ea. Optio commodi necessitatibus voluptatem
19      <span>atque</span> <span>atque. Repellat alias nostrum laboriosam nulla dolorem?
20    </p>
21    <hr>
22    <div>
23      <label>date</label>
24      <input type="date" />
25    </div>
26  </body>
27 </html>
```

Output:

sheet1

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Obcaecati dicta, voluptatibus consequuntur porro nam soluta *illum possimus* ea. Optio commodi necessitatibus voluptatem **atque** atque. Repellat alias nostrum laboriosam nulla dolorem?

date

Exercise 14:

Advanced Table Formatting

Create a complex table and use attributes like colspan, rowspan, align, and valign.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>sheet1</title>
7   <style>
8     table {
9       width: 80%;
10      border-collapse: collapse;
11      margin: 20px auto;
12      text-align: center;
13    }
14    th, td {
15      border: 1px solid #ddd;
16      padding: 10px;
17    }
18    th {
19      background-color: #f4f4f4;
20    }
21    td {
22      background-color: #fafafa;
23    }
24  </style>
25 </head>
26 <body>
27
28 <h2 style="text-align: center;">sale</h2>
29
30 <table>
31   <tr>
32     <th rowspan="2" align="center" valign="middle">Region</th>
33     <th colspan="3" align="center">Sales Data</th>
34   </tr>
35   <tr>
36     <th>20/11</th>
37     <th>21/11</th>
38     <th>23/11</th>
39   </tr>
40   <tr>
41     <td align="left" valign="top">alexandria</td>
42     <td>$5,000</td>
43     <td>$6,000</td>
44     <td>$7,000</td>
45   </tr>
46   <tr>
47     <td align="left" valign="top">cairo</td>
48     <td>$4,000</td>
49     <td>$4,500</td>
50     <td>$5,500</td>
51   </tr>
52   <tr>
53     <td colspan="4" align="right">Total Sales: $32,000</td>
54   </tr>
55 </table>
56
57 </body>
58 </html>
```

Output:

sale

| Region | Sales Data | | |
|------------|------------|---------|-----------------------|
| | 20/11 | 21/11 | 23/11 |
| alexandria | \$5,000 | \$6,000 | \$7,000 |
| cairo | \$4,000 | \$4,500 | \$5,500 |
| | | | Total Sales: \$32,000 |