Pertemuan 4

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1. Latihan 1

   Source Code:

```html
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <title>Latihan 1 - Penggunaan FONT</title>
</head>

<body>
  <basefont size="3">
  <font size="5">size=5</font>
  <br>
  <font size="-3" color="blue">teks ukuran = -3</font>
  <br>
  <font face="arial black" size="-2">teks ukuran = -2</font>
  <br>
  <center>
    <font face="comic sans ms" color="red" size="-1">teks ukuran = -1</font>
  </center>
  <br>
  <font size="+1">teks ukuran = +1</font>
  <br>
  <font size="+2">teks ukuran = +2</font>
  <br>
  <font size="+3">teks ukuran = +3</font>
```

```html
<hr>
<h2>Menampilkan Gambar, Suara dan Video</h2>

<!-- Gambar →
<h3>Gambar</h3>
<img src="https://via.placeholder.com/300×200/4CAF50/white?text=Gambar+Contoh" alt="Contoh Gambar" width="300"
  height="200" border="2">
<br><br>
<img src="https://via.placeholder.com/150×150/FF5722/white?text=Logo" alt="Logo" align="left">
<p>Teks ini berada di sebelah gambar karena menggunakan align="left". Gambar dapat ditampilkan dengan berbagai ukuran
  dan posisi.</p>
<br clear="left">

<!-- Audio →
<h3>Audio</h3>
<audio controls>
  <source src="https://www.soundjay.com/misc/sounds/bell-ringing-05.wav" type="audio/wav">
  <source src="https://www.soundjay.com/misc/sounds/bell-ringing-05.mp3" type="audio/mpeg">
  Browser Anda tidak mendukung audio HTML5.
</audio>
<br><br>

<!-- Video →
<h3>Video</h3>
<video width="320" height="240" controls>
  <source src="https://sample-videos.com/zip/10/mp4/SampleVideo_1280x720_1mb.mp4" type="video/mp4">
  <source src="https://sample-videos.com/zip/10/webm/SampleVideo_1280×720_1mb.webm" type="video/webm">
  Browser Anda tidak mendukung video HTML5.
</video>
```
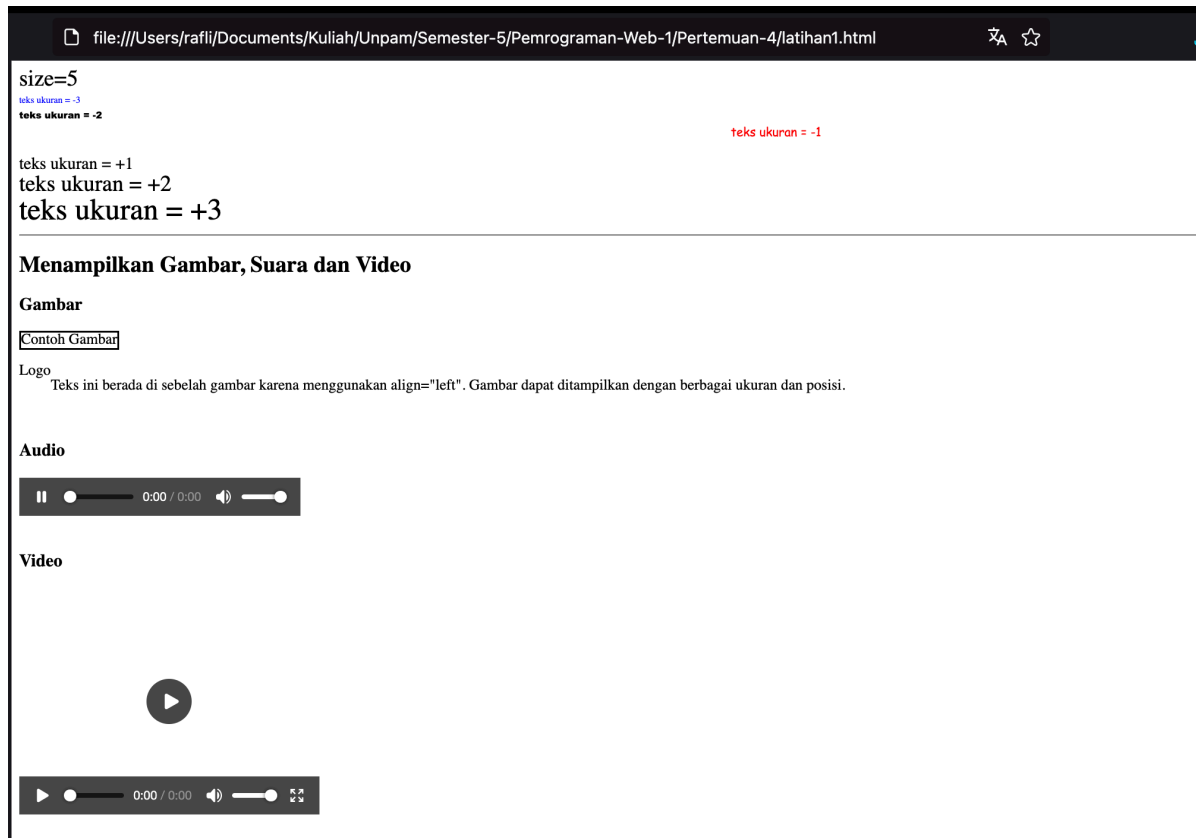
```
        </body>

        </html>
```

RESULT:

2. Latihan 2

Source Code:

```html
<!DOCTYPE html>
<html>

<head>
 <meta charset="utf-8" />
 <title>Latihan 2 - Karakter Khusus</title>
 <style>
```

```css
body {
  font-family: Arial, Helvetica, sans-serif;
  line-height: 1.6;
  margin: 24px;
}

table {
  border-collapse: collapse;
  width: 100%;
  max-width: 720px;
}

th,
td {
  border: 1px solid #aaa;
  padding: 8px;
  text-align: left;
}

thead th {
  background: #f0f0f0;
}

code {
  background: #f7f7f7;
  padding: 2px 4px;
  border: 1px solid #eee;
  border-radius: 4px;
}

.media-section {
  margin: 24px 0;
  padding: 16px;
  border: 1px solid #ddd;
  border-radius: 8px;
}
```

```
    .media-grid {
      display: grid;
      grid-template-columns: 1fr 1fr;
      gap: 20px;
      margin-top: 16px;
    }

    .media-item {
      text-align: center;
    }

    .media-item img {
      border: 2px solid #ccc;
      border-radius: 8px;
    }

    .media-item video,
    .media-item audio {
      width: 100%;
      max-width: 300px;
    }
  </style>
</head>

<body>
  <h1>Latihan 2: Karakter Khusus (HTML Entities)</h1>
  <p>Berikut contoh beberapa entity dan hasil tampilannya.</p>
  <table>
    <thead>
      <tr>
        <th>Nama</th>
        <th>Kode Entity</th>
        <th>Desimal</th>
        <th>Hasil</th>
      </tr>
```

```
</thead>
<tbody>
 <tr>
  <td>Copyright</td>
  <td><code>&amp;copy;</code></td>
  <td><code>&amp;#169;</code></td>
  <td>&copy;</td>
 </tr>
 <tr>
  <td>Registered</td>
  <td><code>&amp;reg;</code></td>
  <td><code>&amp;#174;</code></td>
  <td>&reg;</td>
 </tr>
 <tr>
  <td>Trademark</td>
  <td><code>&amp;trade;</code></td>
  <td><code>&amp;#8482;</code></td>
  <td>&trade;</td>
 </tr>
 <tr>
  <td>Ampersand</td>
  <td><code>&amp;amp;</code></td>
  <td><code>&amp;#38;</code></td>
  <td>&amp;</td>
 </tr>
 <tr>
  <td>Non-breaking space</td>
  <td><code>&amp;nbsp;</code></td>
  <td><code>&amp;#160;</code></td>
  <td>[x y]</td>
 </tr>
 <tr>
  <td>Left angle quote</td>
  <td><code>&amp;laquo;</code></td>
  <td><code>&amp;#171;</code></td>
```

```
      <td>&laquo;</td>
    </tr>
    <tr>
      <td>Right angle quote</td>
      <td><code>&amp;raquo;</code></td>
      <td><code>&amp;#187;</code></td>
      <td>&raquo;</td>
    </tr>
    <tr>
      <td>Tanda kutip</td>
      <td><code>&amp;quot;</code></td>
      <td><code>&amp;#34;</code></td>
      <td>&quot;contoh&quot;</td>
    </tr>
    <tr>
      <td>Lebih kecil</td>
      <td><code>&amp;lt;</code></td>
      <td><code>&amp;#60;</code></td>
      <td>&lt;</td>
    </tr>
    <tr>
      <td>Lebih besar</td>
      <td><code>&amp;gt;</code></td>
      <td><code>&amp;#62;</code></td>
      <td>&gt;</td>
    </tr>
    <tr>
      <td>Tanda kali</td>
      <td><code>&amp;times;</code></td>
      <td><code>&amp;#215;</code></td>
      <td>&times;</td>
    </tr>
    <tr>
      <td>Tanda bagi</td>
      <td><code>&amp;divide;</code></td>
      <td><code>&amp;#247;</code></td>
```

```html
          <td>&divide;</td>
        </tr>
      </tbody>
    </table>

    <h2>Contoh Penggunaan di Kalimat</h2>
    <p>
      &lt;b&gt; digunakan untuk <b>menebalkan</b> teks.<br />
      Rumus air: H<sub>2</sub>O, dan 10<sup>2</sup> = 100.<br />
      Harga promo &laquo;hemat&raquo; jadi 50 &times; 2 &divide; 5 = 20.
    </p>

    <div class="media-section">
      <h2>Menampilkan Gambar, Suara &amp; Video</h2>
      <p>Berikut contoh implementasi multimedia dalam HTML:</p>

      <div class="media-grid">
        <div class="media-item">
          <h3>Gambar (Image)</h3>
          <img src="https://via.placeholder.com/250×180/2196F3/white?text=HTML+Image" alt="Contoh Gambar HTML" width="250"
            height="180">
          <p><code>&lt;img src="..." alt="..." width="250" height="180"&gt;</code></p>
        </div>

        <div class="media-item">
          <h3>Audio</h3>
          <audio controls>
            <source src="https://www.soundjay.com/misc/sounds/bell-ringing-05.wav" type="audio/wav">
            <source src="https://www.soundjay.com/misc/sounds/bell-ringing-05.mp3" type="audio/mpeg">
            Browser tidak mendukung audio HTML5.
          </audio>
          <p><code>&lt;audio controls&gt;&lt;source src="..."&gt;&lt;/audio&gt;
```

```
</code></p>
    </div>
  </div>

  <div class="media-item" style="margin-top:20px;">
   <h3>Video</h3>
   <video width="400" height="225" controls>
     <source src="https://sample-videos.com/zip/10/mp4/SampleVideo_1280×720_1mb.mp4" type="video/mp4">
     <source src="https://sample-videos.com/zip/10/webm/SampleVideo_1280×720_1mb.webm" type="video/webm">
     Browser tidak mendukung video HTML5.
   </video>
   <p><code>&lt;video width="400" height="225" controls&gt;&lt;source src="..."&gt;&lt;/video&gt;</code></p>
  </div>

  <h3>Atribut Multimedia</h3>
  <table style="margin-top:12px;">
   <thead>
    <tr>
     <th>Tag</th>
     <th>Atribut Penting</th>
     <th>Keterangan</th>
    </tr>
   </thead>
   <tbody>
    <tr>
     <td><code>&lt;img&gt;</code></td>
     <td><code>src, alt, width, height</code></td>
     <td>Menampilkan gambar</td>
    </tr>
    <tr>
     <td><code>&lt;audio&gt;</code></td>
     <td><code>controls, autoplay, loop</code></td>
     <td>Memutar file audio</td>
```

```html
      </tr>
      <tr>
        <td><code>&lt;video&gt;</code></td>
        <td><code>controls, width, height, autoplay</code></td>
        <td>Memutar file video</td>
      </tr>
      <tr>
        <td><code>&lt;source&gt;</code></td>
        <td><code>src, type</code></td>
        <td>Sumber media alternatif</td>
      </tr>
    </tbody>
  </table>
 </div>
</body>

</html>
```

RESULT:

Contoh Penggunaan di Kalimat

<b> digunakan untuk **menebalkan** teks.

Rumus air: H_2O, dan $10^2 = 100$.

Harga promo «hemat» jadi 50 × 2 ÷ 5 = 20.

Menampilkan Gambar, Suara & Video

Berikut contoh implementasi multimedia dalam HTML:
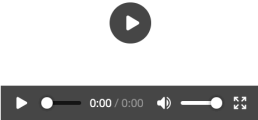
Gambar (Image)

Contoh Gambar HTML

`<img src="..." alt="..." width="250" height="180">`

Audio

`<audio controls><source src="..."></audio>`

Video

`<video width="400" height="225" controls><source src="..."></video>`

Atribut Multimedia

Tag	Atribut Penting	Keterangan
`<img>`	`src, alt, width, height`	Menampilkan gambar
`<audio>`	`controls, autoplay, loop`	Memutar file audio
`<video>`	`controls, width, height, autoplay`	Memutar file video
`<source>`	`src, type`	Sumber media alternatif

3. Latihan 3

Source Code:

```html
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8" />
  <title>relion.html</title>
  <style>
    body {
      font-family: Arial, Helvetica, sans-serif;
      margin: 24px;
```

```css
    line-height: 1.6;
  }

  .card {
    max-width: 800px;
    margin: auto;
    border: 1px solid #ddd;
    border-radius: 10px;
    padding: 24px;
    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.06);
  }

  h1 {
    margin: 0 0 8px 0;
    font-size: 28px;
    text-align: center;
    letter-spacing: 1px;
  }

  .tagline {
    font-size: 14px;
    text-align: center;
    margin-bottom: 16px;
  }

  .hr {
    height: 1px;
    background: #eee;
    margin: 16px 0;
  }

  .grid {
    display: grid;
    grid-template-columns: 1fr 1fr;
    gap: 16px;
  }
```

```css
.pill {
  display: inline-block;
  padding: 2px 10px;
  border-radius: 999px;
  background: #f5f5f5;
  font-size: 12px;
}

.marquee-wrap {
  overflow: hidden;
  white-space: nowrap;
  border: 1px dashed #bbb;
  padding: 6px 10px;
  border-radius: 8px;
  margin-bottom: 12px;
}

.code {
  background: #f7f7f7;
  border: 1px solid #eee;
  border-radius: 6px;
  padding: 8px 10px;
}

footer {
  margin-top: 20px;
  font-size: 12px;
  color: #666;
  text-align: center;
}

.multimedia-section {
  margin: 20px 0;
  padding: 20px;
  background: #fafafa;
```

```css
    border-radius: 12px;
    border: 1px solid #e0e0e0;
  }

  .media-showcase {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
    gap: 16px;
    margin: 16px 0;
  }

  .media-card {
    background: white;
    padding: 16px;
    border-radius: 8px;
    box-shadow: 0 2px 8px rgba(0, 0, 0, 0.08);
    text-align: center;
  }

  .media-card img {
    border-radius: 6px;
    box-shadow: 0 2px 6px rgba(0, 0, 0, 0.1);
  }

  .media-card video,
  .media-card audio {
    width: 100%;
    max-width: 280px;
    border-radius: 6px;
  }
</style>
</head>

<body>
  <div class="card">
    <h1><b><i>RELION</i></b></h1>
```

```html
<div class="tagline">Belajar <strong>Format Teks</strong> &amp; <em>Karakter Khusus</em> di HTML</div>

<div class="marquee-wrap">
  <marquee behavior="scroll" direction="left" scrollamount="6">
    <b>Selamat Datang</b>   |   <u>Latihan Pertemuan 3</u>   |  
    X<sub>1</sub><sup>2</sup> + Y<sub>1</sub><sup>3</sup> = 12   |  
    H<sub>2</sub>O   |   Harga &laquo;Promo&raquo; 50 &times; 2 &divide; 5 = 20
  </marquee>
</div>

<div class="grid">
  <div>
    <h2>Contoh Format</h2>
    <p>
      <b>Tebal</b>, <i>Miring</i>, <u>Garis Bawah</u>, <s>Coret</s><br />
      <small>Teks lebih kecil</small> dan <big>teks lebih besar</big>.<br />
      Rumus: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>.
    </p>
    <p>
      <font face="comic sans ms" size="+1" color="purple">
        Contoh dengan <code>&lt;font&gt;</code> (sesuai materi).
      </font>
    </p>
  </div>
  <div>
    <h2>Karakter Khusus</h2>
    <p class="code">
      &amp;copy; &rarr; &copy; <br />
      &amp;reg; &rarr; &reg; <br />
      &amp;trade; &rarr; &trade; <br />
```

```html
      &amp;lt; &rarr; &lt; , &amp;gt; &rarr; &gt; , &amp;amp; &rarr; &amp;
    </p>
    <p>
      <span class="pill">&laquo;HTML Entities&raquo;</span>
      <span class="pill">Marquee</span>
      <span class="pill">Sub/Sup</span>
    </p>
  </div>
</div>

<div class="hr"></div>

<h2>Contoh Rangkaian Kalimat</h2>
<p>
  <b><i><u>Maju terus pantang mundur</u></i></b>—belajar HTML itu
  menyenangkan. &quot;Ruh&quot; pemrograman adalah <em>algoritma</em>, jadi
  <strong>latih terus logika</strong> kamu.
</p>

<div class="multimedia-section">
  <h2>🎬 Multimedia: Gambar, Suara &amp; Video</h2>
  <p>Implementasi media interaktif dalam halaman web modern</p>

  <div class="media-showcase">
   <div class="media-card">
    <h3>🖼️ Gambar</h3>
    <img src="https://via.placeholder.com/240×160/9C27B0/white?text=RELION+IMAGE" alt="Relion Sample Image"
      width="240" height="160">
    <p style="margin-top:8px; font-size:12px;">
      <code>&lt;img src="..." alt="..." width="240"&gt;</code>
    </p>
   </div>
```

```html
<div class="media-card">
  <h3>🎵 Audio</h3>
  <audio controls style="margin:10px 0;">
    <source src="https://www.soundjay.com/misc/sounds/bell-ringing-05.wav" type="audio/wav">
    <source src="https://www.soundjay.com/misc/sounds/bell-ringing-05.mp3" type="audio/mpeg">
    Audio tidak didukung
  </audio>
  <p style="font-size:12px;">
    <code>&lt;audio controls&gt;</code><br />
    Format: MP3, WAV, OGG
  </p>
</div>

<div class="media-card">
  <h3>🎥 Video</h3>
  <video width="240" height="135" controls style="margin:10px 0;">
    <source src="https://sample-videos.com/zip/10/mp4/SampleVideo_1280×720_1mb.mp4" type="video/mp4">
    <source src="https://sample-videos.com/zip/10/webm/SampleVideo_1280×720_1mb.webm" type="video/webm">
    Video tidak didukung
  </video>
  <p style="font-size:12px;">
    <code>&lt;video controls&gt;</code><br />
    Format: MP4, WebM, OGV
  </p>
</div>
</div>

<div style="text-align:center; margin-top:16px;">
  <span class="pill">HTML5 Media</span>
  <span class="pill">Responsive Design</span>
  <span class="pill">Cross-browser</span>
  <span class="pill">Accessibility</span>
```

```html
        </div>
      </div>

      <footer>
        <sup>&copy;</sup> Teknik Informatika   |   Jakarta, Sept
ember 2025 <sup>&reg;</sup>
      </footer>
    </div>
  </body>

</html>
```

RESULT