

Bangalore Institute of Technology
Department of Computer Science and Engineering
Web Technology Laboratory (BCSL504)

Week 5

Lab program 5

5. Develop HTML page named as "newspaper.html" having variety of HTML semantic elements with background colors, text-colors & size for figure, table, aside, section, article, header, footer... etc.

```
<!DOCTYPE html>
```

```
<head>
```

```
  <title>Newspaper Page</title>
```

```
  <style>
```

```
    * {  
      margin: 0;  
      padding: 0;  
      box-sizing: border-box;  
    }
```

```
    body {  
      padding: 20px;  
      font-family: 'Arial', sans-serif;  
      color: #000000;  
      display: flex;  
      flex-direction: column;  
      min-height: 100vh;  
    }
```

```
    header {  
      margin-bottom: 30px;  
      border-radius: 10px;  
      align-items: center;  
      background-color: #7b38f7;  
      color: #fff;  
      padding: 20px;  
      display: flex;  
      justify-content: space-between;  
      text-align: center;  
      box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
    }
```

```
    header a {
```

```
font-size: 25px;
font-weight: 600;
color: #fff;
text-decoration: none;
}
```

```
nav {
  display: flex;
  gap: 20px;
  color: #fff;
  text-align: center;
}
```

```
nav a {
  font-size: 18px;
  color: #fff;
  text-decoration: none;
  font-weight: bold;
}
```

```
nav a:hover {
  text-decoration: underline;
}
```

```
.content {
  display: flex;
  justify-content: space-between;
  flex: 1;
  margin: auto;
  padding: 20px 0;
  gap: 20px;
  position: relative;
}
```

```
.main-content {
  cursor: pointer;
  flex: 1;
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));
  gap: 20px;
  background-color: #fff;
  border-radius: 12px;
  padding: 25px;
  box-shadow: rgba(9, 30, 66, 0.25) 0px 1px 1px, rgba(9, 30, 66, 0.13) 0px 0px 1px
```

1px;

```
}
```

```
aside {  
  border: 1px solid #ccc;  
  padding: 20px;  
  width: 350px;  
  border-radius: 8px;  
  box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
  position: -webkit-sticky;  
  position: sticky;  
  top: 20px;  
  color: #333;  
  right: 0;  
  margin-left: 20px;  
}
```

```
.related-news h3 {  
  text-align: center;  
  border-radius: 7px;  
  padding: 8px;  
  background: #000;  
  color: #ffffff;  
  font-size: 1.4em;  
  margin-bottom: 15px;  
}
```

```
.related-news ul {  
  list-style: outside;  
  padding: 7px;  
  margin: 0;  
}
```

```
.related-news li {  
  margin-bottom: 12px;  
}
```

```
.related-news a {  
  text-decoration: none;  
  color: #7b38f7;  
  font-weight: bold;  
  transition: color 0.3s ease;  
}
```

```
.related-news a:hover {  
  text-decoration: underline;
```

```
}
```

```
footer {  
  border-radius: 10px;  
  background-color: #7b38f7;  
  color: #fff;  
  padding: 20px;  
  font-weight: 500;  
  text-align: center;  
  margin-top: auto;  
  font-size: 18px;  
}
```

```
article {  
  transition: all 0.3s ease;  
  background-color: #fff;  
  padding: 15px;  
  box-shadow: rgba(9, 30, 66, 0.25) 0px 1px 1px, rgba(9, 30, 66, 0.13) 0px 0px 1px  
1px;  
  border-radius: 7px;  
  color: #000000;  
}
```

```
figure {  
  background-color: #fafafa;  
  padding: 10px;  
  border: 1px solid #ddd;  
  border-radius: 8px;  
  text-align: center;  
  margin: 0;  
}
```

```
figcaption {  
  font-size: 0.9em;  
  color: #666;  
}
```

```
img {  
  max-width: 100%;  
  height: auto;  
  border-radius: 8px;  
}
```

```
section {  
  padding: 20px;
```

```
    width: 100%;
    background-color: #fff;
    border-radius: 8px;
    box-shadow: rgba(9, 30, 66, 0.25) 0px 1px 1px, rgba(9, 30, 66, 0.13) 0px 0px 1px
1px;
}
```

```
section h2 {
    color: #fff;
    background: #000;
    font-size: 24px;
    border-radius: 10px;
    text-align: center;
    padding: 10px;
    margin-bottom: 30px;
}
```

```
table {
    width: 100%;
    border-collapse: collapse;
}
```

```
caption {
    font-size: 18px;
    margin-bottom: 10px;
    color: #555;
}
```

```
thead {
    background-color: #007BFF;
    color: #fff;
}
```

```
th,
td {
    padding: 12px;
    text-align: left;
}
```

```
th {
    font-weight: bold;
}
```

```
tbody tr:nth-child(even) {
    background-color: #f9f9f9;
}
```

```
tbody tr:hover {
    background-color: #eaeaea;
}

@media (max-width: 600px) {

    th,
    td {
        padding: 8px;
        font-size: 14px;
    }
}

caption {
    background-color: #d9d9d9;
    padding: 10px;
    font-weight: bold;
    border-bottom: 2px solid #ddd;
    border-radius: 8px 8px 0 0;
    font-size: 1.1em;
    color: #333;
}

section {
    margin-top: 40px;
    margin-bottom: 50px;
}

article h2 {
    color: #7b38f7;
    font-size: 1.3em;
    margin-bottom: 12px;
}

article p {
    text-align: left;
    line-height: 1.2;
    margin-top: 10px;
}

article:hover {
    background-color: #e7ddfb;
```

```
}

@media (max-width: 768px) {
  .content {
    flex-direction: column;
    padding: 10px;
  }

  aside {
    width: 100%;
    margin-top: 20px;
    position: static;
    margin-left: 0;
  }

  .main-content {
    grid-template-columns: 1fr;
  }
}
</style>
</head>

<body>
  <header>

    <a href="#">Newspaper</a>

    <nav>
      <a href="#">Home</a>
      <a href="#">About</a>
      <a href="#">Contact</a>
      <a href="#">Services</a>
      <a href="#">Marketing</a>
      <a href="#">Updates</a>
    </nav>

  </header>

  <div class="content">
    <main class="main-content">
      <article>
        <h2>Article Title 1</h2>
        <figure>
          
          <figcaption>Image Caption</figcaption>
        </figure>
      </article>
    </main>
  </div>
</body>
</html>
```

<p>This is the content of the first article. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
</article>

<article>

<h2>Article Title 2</h2>

<figure>

<figcaption>Image Caption</figcaption>

</figure>

<p>This is the content of the second article. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
</article>

<article>

<h2>Article Title 3</h2>

<figure>

<figcaption>Image Caption</figcaption>

</figure>

<p>This is the content of the third article. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
</article>

<article>

<h2>Article Title 4</h2>

<figure>

<figcaption>Image Caption</figcaption>

</figure>

<p>This is the content of the fourth article. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
</article>

<article>

<h2>Article Title 5</h2>

<figure>

<figcaption>Image Caption</figcaption>

</figure>

<p>This is the content of the fourth article. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
</article>

<article>
 <h2>Article Title 6</h2>
 <figure>

 <figcaption>Image Caption</figcaption>
 </figure>
 <p>This is the content of the fourth article. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
</article>

</main>

<aside class="related-news">
 <h3>Related News</h3>

 Related News 1
 Related News 2
 Related News 3

</aside>

</div>

<section>
 <h2>Recent Posts</h2>
 <div>
 <table>
 <caption>List of Posts</caption>
 <thead>
 <tr>
 <th>Post Title</th>
 <th>Date</th>
 <th>Author</th>
 </tr>
 </thead>
 <tbody>
 <tr>
 <td>Post 1</td>
 <td>2024-08-30</td>

```
        <td>Author 1</td>
    </tr>
    <tr>
        <td>Post 2</td>
        <td>2024-08-29</td>
        <td>Author 2</td>
    </tr>
    <tr>
        <td>Post 3</td>
        <td>2024-08-28</td>
        <td>Author 3</td>
    </tr>
</tbody>
</table>
</div>
</section>

<footer>
    <p>© 2024 Newspaper. All rights reserved.</p>
</footer>
</body>

</html>
```