

# MODULE-1 CSS-3

## 1.Inline vs Internal vs External: HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Local Community Event Portal</title>

  <!-- Internal (Embedded) CSS -->
  <style>
    /* Body styles */
    body {
      background-color: #f0f8ff;
      font-family: Arial, sans-serif;
    }
  </style>

  <!-- External CSS Link -->
  <link rel="stylesheet" href="internalvs.css">
</head>
<body>

  <!-- Inline Style -->
  <h1 style="color: red;">Welcome to the Local Community Event Portal</h1>

  <h2>Upcoming Events</h2>
  <p>Join us for a variety of events happening in your community!</p>

  <div class="event-card">
    <h3>Community Cleanup</h3>
    <p>Saturday at 10am - Meet at the central park entrance.</p>
  </div>

</body>
</html>
```

## CSS Code:

```
/* Header styles */
h2 {
  color: #2c3e50;
  margin-top: 20px;
}

/* Event card styles */
.event-card {
```

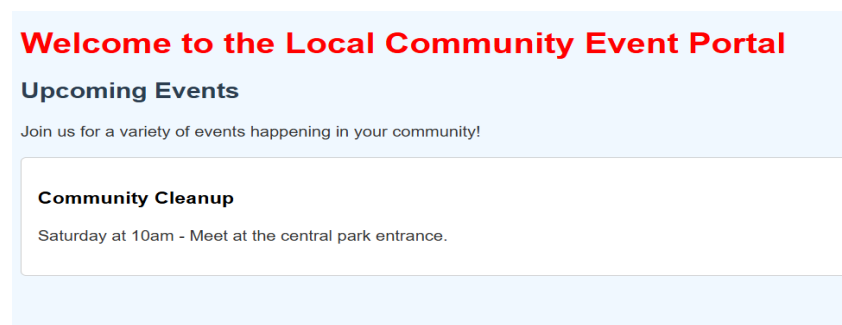
```

background-color: #ffffff;
border: 1px solid #ccc;
padding: 15px;
margin-top: 10px;
border-radius: 5px;
}

/* Paragraph styles */
p {
  color: #333;
  line-height: 1.6;
}

```

## Output:



## 2.CSS Syntax and Comments: HTML Code:

```

<!-- Link to the stylesheet -->
<link rel="stylesheet" href="syntaxcmt.css">
</head>

```

## CSS Code:

```

/* General body styling */
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
  background-color: #f4f4f4;
}

/* Style for main CTA button */
.cta-button {
  background-color: #007BFF;
  color: white;
}

```

```
padding: 10px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
}

/* Header styling */
header {
background-color: #333;
color: white;
padding: 20px;
text-align: center;
}
```

## Output:



## 3.Selectors playground:

### HTML Code:

```
!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Community Events</title>

  <!-- Link to the external CSS file -->

</head>
<link rel="stylesheet" href="playgroundselect.css">
<body>
  <header id="mainHeader">
    <h1>Community Events</h1>
  </header>
```

```

<section class="eventCard">
  <h2>Music Festival</h2>
  <h3>Outdoor Stage</h3>
  <p>Join us for live music and food trucks!</p>
</section>

<section class="eventCard">
  <h2>Art Show</h2>
  <h3>Main Hall</h3>
  <p>Featuring local artists and interactive exhibits.</p>
</section>
</body>
</html>

```

## CSS Code:

```

/* Reset margin and padding */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

/* Style all <h2> elements */
h2 {
  font-size: 24px;
  color: #333;
  margin-bottom: 10px;
}

/* Style for banner using ID */
#mainHeader {
  background-color: #004080;
  color: white;
  text-align: center;
  padding: 20px;
}

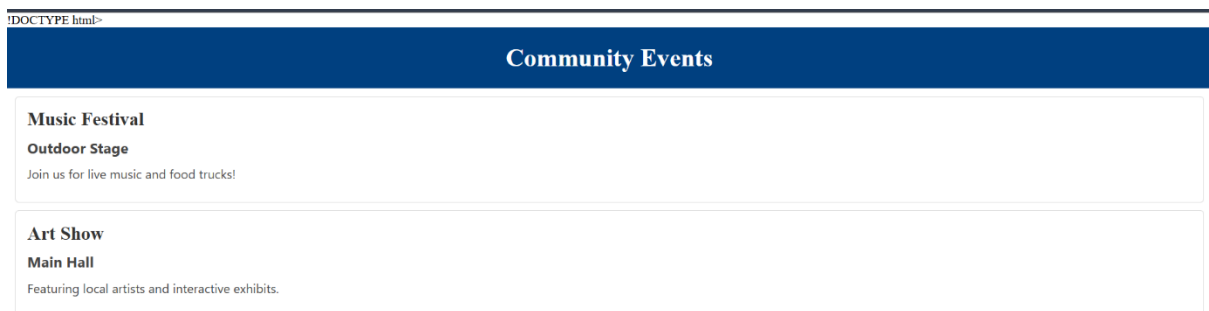
/* Style for event containers using class */

```

```
.eventCard {
  border: 1px solid #ddd;
  padding: 15px;
  margin: 10px;
  border-radius: 5px;
  background-color: #fff;
}

/* Grouping style for <h3> and <p> */
h3, p {
  font-family: 'Segoe UI', sans-serif;
  color: #444;
  margin: 10px 0;
}
```

## Output:



## 4.Color And Background Styling: HTML Code:

```
body>
  <link rel="stylesheet" href="colorground.css">
  <header id="mainHeader">
    <h1>City Council Community Portal</h1>
  </header>

  <section class="eventCard">
    <h2>Music Festival</h2>
    <h3>Outdoor Stage</h3>
    <p>Enjoy local talent and city pride!</p>
  </section>
</body>
```

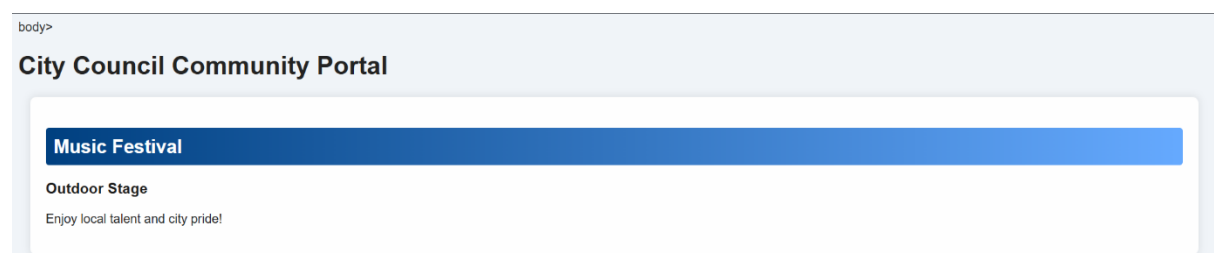
## CSS Code:

```
/* Apply a fallback color and background image to the body */
body {
  background-color: #f0f4f8; /* Fallback color */
  background-image: url('images/city-skyline.jpg');
  background-size: cover;
  background-position: center;
  background-repeat: no-repeat;
  color: #222; /* Default text color */
  font-family: Arial, sans-serif;
}

/* Use HEX for section text color and RGBA for background */
.eventCard {
  background-color: rgba(255, 255, 255, 0.9);
  color: #1a1a1a; /* Dark gray text */
  padding: 20px;
  margin: 15px;
  border-radius: 8px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

/* Gradient background for section headers */
h2 {
  background: linear-gradient(90deg, #004080, #66aaff);
  color: white;
  padding: 10px;
  border-radius: 4px;
  margin-bottom: 10px;
}
```

## Output:



## 5. Typograpy Font and Style: HTML Code:

```
!DOCTYPE html>
<html lang="en">
<head>
  <link rel="stylesheet" href="fonttext.css">

  <meta charset="UTF-8">
  <title>City Council Community Portal</title>

  <!-- Link to Google Font -->
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&
display=swap" rel="stylesheet">

  <!-- Link to external CSS -->
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header id="mainHeader">
    <h1>City Council Events</h1>
  </header>

  <section class="eventCard">
    <h2>Music Festival</h2>
    <h3>Outdoor Stage</h3>
    <p>Join us for a vibrant celebration of music, food, and community spirit under
the city lights.</p>
  </section>

  <section class="eventCard">
    <h2>Art Exhibition</h2>
    <h3>City Gallery</h3>
    <p>Discover local artists and enjoy an evening of creativity, conversation, and
culture.</p>
  </section>
</body>
</html>
```

## CSS Code:

```
/* Import Google Font if not using <link> */
/* @import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&dis
play=swap'); */

/* Reset and base styles */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: 'Poppins', sans-serif;
  font-size: 16px;
  line-height: 1.6;
  color: #222;
  background-color: #f0f4f8;
  background-image: url('images/city-skyline.jpg');
  background-size: cover;
  background-position: center;
  background-repeat: no-repeat;
}

/* Header styling */
#mainHeader {
  font-weight: 600;
  font-size: 28px;
  text-align: center;
  text-transform: uppercase;
  letter-spacing: 1px;
  padding: 20px;
  background-color: rgba(0, 64, 128, 0.8);
  color: white;
}

/* Event card container */
.eventCard {
```



```
background-color: rgba(255, 255, 255, 0.9);
padding: 20px;
margin: 15px;
border-radius: 8px;
box-shadow: 0 0 10px rgba(0,0,0,0.1);
}

/* Section headers with gradient */
h2 {
background: linear-gradient(90deg, #004080, #66aaff);
color: white;
padding: 10px;
border-radius: 4px;
font-size: 22px;
font-weight: 600;
text-transform: capitalize;
margin-bottom: 10px;
}

/* Subheadings */
h3 {
font-size: 18px;
font-weight: 400;
font-style: italic;
}

/* Descriptive text */
p {
font-size: 15px;
line-height: 1.8;
letter-spacing: 0.5px;
text-align: justify;
color: #444;
}
```

**Output:**

!DOCTYPE html>

## CITY COUNCIL EVENTS

### Music Festival

#### Outdoor Stage

Join us for a vibrant celebration of music, food, and community spirit under the city lights.

### Art Exhibition

#### City Gallery

Discover local artists and enjoy an evening of creativity, conversation, and culture.

## 6.Link And List Styling: HTML Code:

```
body>
<nav>
  <ul class="navMenu">
    <li><a href="#">Home</a></li>
    <li><a href="#">Events</a></li>
    <li><a href="#">Contact</a></li>
  </ul>
</nav>
<link rel="stylesheet" href="linklist.css">

<section>
  <h2>Things to Bring</h2>
  <ul class="infoList">
    <li>Valid ID</li>
    <li>Reusable Water Bottle</li>
    <li>Event Ticket</li>
  </ul>
</section>
</body>
```

## CSS Code:

```
/* Link styling with pseudo-classes */
a:link {
  color: #004080;
  text-decoration: none;
}
```

```
a:visited {  
  color: #660066;  
}
```

```
a:hover {  
  color: #007BFF;  
  text-decoration: underline;  
}
```

```
a:active {  
  color: #FF5733;  
}
```

```
/* Nav menu styling - remove bullets and style */
```

```
.navMenu {  
  list-style: none; /* Remove default bullets */  
  padding: 0;  
  margin: 0;  
  display: flex;  
  gap: 20px;  
  background-color: rgba(0, 64, 128, 0.1);  
  padding: 10px 20px;  
}
```

```
.navMenu li {  
  margin: 0;  
  padding: 5px 10px;  
}
```

```
/* Styled list with custom bullets */
```

```
.infoList {  
  list-style-type: square;  
  list-style-position: inside;  
  padding: 10px 20px;  
  margin: 15px 0;  
}
```

```
.infoList li {  
  margin-bottom: 8px;  
}
```

```
padding-left: 5px;
}
```

## Output:

---

body>

[Home](#)   [Events](#)   [Contact](#)

## Things to Bring

- Valid ID
- Reusable Water Bottle
- Event Ticket

## 7. Table Styling:

### HTML Code:

```
section>
<h2>Upcoming Events</h2>
<table class="eventTable">
  <thead>
    <tr>
      <th>Event</th>
      <th>Date</th>
      <th>Location</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Music Festival</td>
      <td>July 12</td>
      <td>Central Park</td>
    </tr>
    <tr>
      <td>Art Exhibition</td>
      <td>August 5</td>
      <td>City Gallery</td>
    </tr>
```

```
<tr>
  <td>Food Fair</td>
  <td>September 3</td>
  <td>Market Square</td>
</tr>
</tbody>
</table>
</section>
<link rel="stylesheet" href="tablestyle.css">
```

### **CSS Code:**

```
/* Table styling */
.eventTable {
  width: 100%;
  border-collapse: collapse;
  margin-top: 20px;
  font-family: 'Poppins', sans-serif;
}

/* Header cells */
.eventTable th {
  background-color: #004080;
  color: white;
  padding: 12px;
  text-align: center;
  border: 1px solid #ddd;
}

/* Body cells */
.eventTable td {
  padding: 12px;
  text-align: center;
  border: 1px solid #ddd;
}

/* Zebra striping */
.eventTable tr:nth-child(even) {
  background-color: #f2f2f2;
}
```

```
/* Optional hover effect */
.eventTable tr:hover {
  background-color: #e0f0ff;
}
```

## Output:

section>

### Upcoming Events

Event	Date	Location
Music Festival	July 12	Central Park
Art Exhibition	August 5	City Gallery
Food Fair	September 3	Market Square

## 8.Box Model And Layout Control: HTML Code:

```
!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Community Events</title>

  <!-- Link to external CSS -->
  <link rel="stylesheet" href="boxmodel.css">
</head>
<body>

  <section class="eventCard">
    <h2>Music Festival</h2>
    <p>Enjoy live performances in the park with food trucks and local vendors.</p>
  </section>

  <section class="eventCard">
    <h2>Art Walk</h2>
    <p>Explore downtown art galleries and meet the artists behind the work.</p>
  </section>
```

```
<form>
  <label for="name">Name:</label>
  <input type="text" id="name" class="highlightField">
</form>

<div class="hiddenBox">This is hidden but still takes space</div>
<div class="noneBox">This is removed from layout</div>

</body>
</html>
```

### CSS Code:

```
/* Box model styling for event cards */
.eventCard {
  margin: 20px auto;
  padding: 20px;
  border: 2px solid #007BFF;
  border-radius: 8px;
  background-color: rgba(255, 255, 255, 0.9);
  width: 90%;
  max-width: 600px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

/* Highlight input on focus */
.highlightField:focus {
  outline: 3px solid #ff9900;
  border-color: #ff9900;
}

/* Visibility comparison */
.hiddenBox {
  visibility: hidden;
  background-color: lightcoral;
  padding: 10px;
  margin: 10px 0;
}
```

```
.noneBox {  
  display: none;  
  background-color: lightblue;  
  padding: 10px;  
  margin: 10px 0;  
}
```

## Output:

!DOCTYPE html>

### Music Festival

Enjoy live performances in the park with food trucks and local vendors.

### Art Walk

Explore downtown art galleries and meet the artists behind the work.

Name:

## 9. Multiple column in text: HTML Code:

```
<section class="news-article">  
  <h2>Community Bulletin</h2>  
  <div class="article-text">  
    <p>
```

The city council has announced new initiatives to improve public parks, enhance green spaces, and support local businesses through grant programs. Volunteers are also encouraged to participate in the upcoming cleanup drive and tree-planting events.

```
</p>  
<p>  
  Local sports clubs are opening registrations for youth soccer, basketball, and swimming programs.
```

Parents are encouraged to sign up early as slots fill quickly. Stay tuned for more updates on community workshops, safety drills, and public forums.



```

    </p>
  </div>
</section>
<link rel="stylesheet" href="multiplestyle.css">

```

## CSS Code:

```

/* =====
MULTI-COLUMN ARTICLE STYLES
===== */

/* Multi-column layout for article */
.article-text {
  column-count: 2;          /* Two columns */
  column-gap: 30px;         /* Space between columns */
  column-rule: 1px solid gray; /* Divider line */
  margin-top: 15px;
  text-align: justify;
}

```

## Output:

### Community Bulletin

The city council has announced new initiatives to improve public parks, enhance green spaces, and support local businesses through grant programs. Volunteers are also encouraged to participate in the upcoming cleanup drive and tree-planting events.

Local sports clubs are opening registrations for youth soccer, basketball, and swimming programs. Parents are encouraged to sign up early as slots fill quickly. Stay tuned for more updates on community workshops, safety drills, and public forums.

## 10.Responsive web design and media queries: HTML Code:

```

<nav class="main-nav">
  <a href="#">Home</a>
  <a href="#">Events</a>

```

```
<a href="#">News</a>
<a href="#">Contact</a>
</nav>
<link rel="stylesheet" href="queriesstyle.css">
```

## CSS Code:

```
/* =====
NAVIGATION STYLES
===== */

.main-nav {
  display: flex;
  justify-content: center;
  gap: 20px;
  background-color: #007BFF;
  padding: 10px;
}

.main-nav a {
  color: white;
  text-decoration: none;
  font-size: 1.2vw; /* Responsive font size */
}

/* =====
IMAGES AND FONT ADAPTATION
===== */

img {
  max-width: 100%; /* Shrink within container */
  height: auto;
}

body {
  font-size: 1.2vw; /* Scales with screen width */
}
```

## Output:

## **11.Debug and test with dev tools and vs code:**