

## 1. Why CSS? Inline vs. Internal vs. External

- **Inline style:**

html

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```
<h1 style="color: red;">Heading</h1>
```

- **Internal style** (within <head>):

html

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```
<style>
```

```
  body {
```

```
    background-color: #f0f0f0;
```

```
  }
```

```
</style>
```

- **External style:**

Link the external CSS file:

html

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```
<link rel="stylesheet" href="styles.css">
```

In styles.css:

css

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```
/* Header styles */
```

```
h1 {
```

```
  color: blue;
```

```
}
```

---

## 2. CSS Syntax and Comments

- Use consistent formatting:

css

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```
/* Style for main CTA button */
```

```
.cta-button {  
  
  background-color: #007BFF;  
  
  color: white;  
  
  padding: 10px 20px;  
  
}
```

---

### 3. Selectors Playground

- Universal selector:

css

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```
* {  
  
  margin: 0;  
  
  padding: 0;  
  
}
```

- Element selector:

css

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```
h2 {  
  
  font-size: 24px;  
  
}
```

- ID selector:

css

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```
#mainHeader {  
  
  background-color: #333;
```

```
color: white;
}
```

- Class selector:

css

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```
.eventCard {
  border: 1px solid #ccc;
  padding: 10px;
}
```

- Grouping selector:

css

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```
h3, p {
  margin-bottom: 10px;
}
```

---

#### 4. Color & Background Styling

css

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```
body {
  background: #cccccc url('background.jpg') no-repeat center center;
  background-size: cover;
}
```

```
h2 {
  background: linear-gradient(to right, #ffcc00, #ff6600);
}
```

```
p {  
  color: rgba(0, 0, 0, 0.8);  
}
```

---

## 5. Typography: Fonts and Text

html

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```
<link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"  
rel="stylesheet">
```

css

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```
body {  
  font-family: 'Roboto', sans-serif;  
  line-height: 1.6;  
}
```

```
.description {  
  font-size: 16px;  
  text-align: justify;  
  text-transform: capitalize;  
  letter-spacing: 0.5px;  
}
```

---

## 6. Link and List Styling

css

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```
a:link, a:visited {  
  color: #007BFF;
```

```
}
```

```
a:hover, a:active {  
    color: #0056b3;  
}
```

```
ul.nav {  
    list-style-type: none;  
    list-style-position: inside;  
    padding: 0;  
    margin: 0;  
}
```

---

## 7. Table Styling

css

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```
table, th, td {  
    border: 1px solid #ddd;  
    padding: 8px;  
}
```

```
tr:nth-child(even) {  
    background-color: #f2f2f2;  
}
```

```
table {  
    border-collapse: collapse;  
    text-align: center;
```

```
}
```

---

## 8. Box Model & Layout Control

css

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```
.eventCard {  
  margin: 20px;  
  padding: 15px;  
  border: 1px solid #ccc;  
}
```

```
input:focus {  
  outline: 2px solid #007BFF;  
}
```

```
.hidden {  
  visibility: hidden;  
}
```

```
.none {  
  display: none;  
}
```

---

## 9. Multiple Columns in Text

css

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```
.news-article {  
  column-count: 2;
```

```
column-gap: 30px;
column-rule: 1px solid gray;
}
```

---

## 10. Responsive Web Design with Media Queries

css

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```
@media (max-width: 768px) {
  nav a {
    display: block;
  }

  img {
    width: 100%;
  }

  body {
    font-size: 14px;
  }
}
```