1. W3.CSS Introduction
Normally, we write CSS like:

```
p {
  color: blue;
  font-size: 20px;
}
```

With W3.CSS, we can use predefined classes:

```
<p class="w3-text-blue w3-large">Hello World</p>
```

Include W3.CSS
Add the following line inside <head>:

```
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
```

Basic Example

```
<!DOCTYPE html>
<html>
<head>
  <title>W3.CSS Example</title>
  <link rel="stylesheet"
      href="https://www.w3schools.com/w3css/4/w3.css">
</head>

<body>

<div class="w3-container w3-blue">
  <h1>My Website</h1>
</div>

<div class="w3-container">
  <h2>Welcome</h2>
  <p>This is my first W3.CSS website.</p>
</div>

</body>
</html>
```

---

2. W3.CSS Colors
W3.CSS provides predefined color classes.
Common Colors

Class	Purpose
w3-red	Red background
w3-blue	Blue background
w3-green	Green background
w3-yellow	Yellow background
w3-orange	Orange background
w3-black	Black background
w3-white	White background
w3-grey	Grey background

Example

```
<div class="w3-container w3-blue">
  <h2>Blue Section</h2>
```

```
</div>

<div class="w3-container w3-green">
  <h2>Green Section</h2>
</div>

<div class="w3-container w3-red">
  <h2>Red Section</h2>
</div>
```

Text Colors

For text color, use:

```
<p class="w3-text-red">Red Text</p>
<p class="w3-text-blue">Blue Text</p>
<p class="w3-text-green">Green Text</p>
```

---

3. W3.CSS Containers

The w3-container class provides padding around content.

```
<div class="w3-container">
  <h2>Computer Institute</h2>
  <p>Learn computer courses.</p>
</div>
```

Container with Color

```
<div class="w3-container w3-blue">
  <h2>Z-Tech Computer Institute</h2>
  <p>Learn professional computer courses.</p>
</div>
```

Container with Center Alignment

```
<div class="w3-container w3-center">
  <h2>Welcome</h2>
</div>
```

---

4. W3.CSS Panels

A panel is used to display content inside a visually separated box.

Use:

w3-panel

Example

```
<div class="w3-panel w3-blue">
  <h3>Notice</h3>
  <p>Admissions are open.</p>
</div>
```

Panel with Border

```
<div class="w3-panel w3-pale-green w3-border">
  <p>Course successfully completed.</p>
</div>
```

Panels are useful for:

Notices

Alerts

Messages

Information boxes

Important announcements

---

5. W3.CSS Borders
W3.CSS provides classes for adding borders.
Basic Border

```
<div class="w3-border">
  <p>This box has a border.</p>
</div>
```

Border Around Specific Side

```
<div class="w3-border-top">
  Top Border
</div>

<div class="w3-border-bottom">
  Bottom Border
</div>

<div class="w3-border-left">
  Left Border
</div>

<div class="w3-border-right">
  Right Border
</div>
```

Border Color

```
<div class="w3-panel w3-border w3-border-red">
  Red Border
</div>
```

---

6. W3.CSS Fonts
W3.CSS provides classes for font size and font style.
Font Size

```
<p class="w3-small">Small Text</p>
<p class="w3-medium">Medium Text</p>
<p class="w3-large">Large Text</p>
<p class="w3-xlarge">Extra Large Text</p>
<p class="w3-xxlarge">Very Large Text</p>
```

Font Family
W3.CSS also provides font-family classes such as:

```
<p class="w3-serif">Serif Font</p>
<p class="w3-sans-serif">Sans-serif Font</p>
<p class="w3-monospace">Monospace Font</p>
```

Example

```
<h1 class="w3-xxlarge">Welcome to Z-Tech</h1>
<p class="w3-large">Professional Computer Training Institute</p>
```

---

7. W3.CSS Text
W3.CSS provides classes for text alignment and formatting.
Text Alignment

```
<p class="w3-left-align">Left Text</p>

<p class="w3-center">Center Text</p>
```

Right Text
Text Colors
Red Text
Blue Text
Green Text
Text Opacity
Faded Text
Bold Text
Bold Text

---

8. W3.CSS Tables
W3.CSS provides the w3-table class to create attractive tables.
Basic Table

```
<table class="w3-table">
  <tr>
    <th>Name</th>
    <th>Course</th>
    <th>Fees</th>
  </tr>

  <tr>
    <td>Rahul</td>
    <td>Tally Prime</td>
    <td>5000</td>
  </tr>

  <tr>
    <td>Amit</td>
    <td>Advanced Excel</td>
    <td>4000</td>
  </tr>
</table>
```

Bordered Table
<table class="w3-table w3-bordered">
Striped Table
<table class="w3-table w3-striped">
Hoverable Table
<table class="w3-table w3-hoverable">
These classes can also be combined:
<table class="w3-table w3-striped w3-bordered w3-hoverable">

---

9. W3.CSS Lists
W3.CSS can be used to style ordered and unordered lists.
Basic List

```
<ul class="w3-ul">
  <li>MS Office</li>
  <li>Tally Prime</li>
  <li>Advanced Excel</li>
  <li>Python</li>
</ul>
```

Bordered List

```
<ul class="w3-ul w3-border">
  <li>HTML</li>
  <li>CSS</li>
  <li>JavaScript</li>
</ul>
```

List with Hover Effect

```
<ul class="w3-ul w3-hoverable">
  <li>MS Word</li>
  <li>MS Excel</li>
  <li>PowerPoint</li>
</ul>
```

---

10. W3.CSS Images

W3.CSS provides classes for image styling.

Responsive Image

```
<img src="computer.jpg" class="w3-image">
```

w3-image makes the image responsive.

Rounded Image

```
<img src="student.jpg" class="w3-round">
```

Circle Image

```
<img src="student.jpg" class="w3-circle">
```

Image with Border

```
<img src="computer.jpg" class="w3-border">
```

Center Image

```
<img src="computer.jpg" class="w3-image w3-center">
```

---

11. W3.CSS Grid

The W3.CSS Grid is used to divide a webpage into columns.

The main classes are:

w3-row

w3-col

For example:

```
<div class="w3-row">

  <div class="w3-col s4">
    Column 1
  </div>

  <div class="w3-col s4">
    Column 2
  </div>

  <div class="w3-col s4">
    Column 3
  </div>

</div>
```

Here the screen is divided into:

4 + 4 + 4 = 12 columns

W3.CSS uses a 12-column grid system.

Example: 2 Columns

```
<div class="w3-row">

  <div class="w3-col m6 w3-blue w3-padding">
    Left Column
  </div>

  <div class="w3-col m6 w3-green w3-padding">
    Right Column
  </div>

</div>
```

m6 means approximately 6 columns out of 12, so two equal columns are created.

Example: 3 Columns

```
<div class="w3-row">

  <div class="w3-col m4 w3-red w3-padding">
    HTML
  </div>

  <div class="w3-col m4 w3-blue w3-padding">
    CSS
  </div>

  <div class="w3-col m4 w3-green w3-padding">
    JavaScript
  </div>

</div>
```

---

12. Complete W3.CSS Website Example

This example combines Container, Colors, Text, Grid, Panels, Images and Tables.

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

  <title>Computer Institute</title>

  <link rel="stylesheet"
  href="https://www.w3schools.com/w3css/4/w3.css">

</head>

<body>

<!-- Header -->
<header class="w3-container w3-blue w3-center">
  <h1>Z-Tech Computer Institute</h1>
  <p class="w3-large">
    Professional Computer Training
  </p>
</header>
```

```
<!-- About -->
<div class="w3-container w3-padding">

  <h2 class="w3-text-blue">About Us</h2>

  <p>
    We provide professional computer training
    in various computer applications.
  </p>

</div>


<!-- Courses Grid -->
<div class="w3-container">

  <h2 class="w3-center">Our Courses</h2>

  <div class="w3-row">

    <div class="w3-col m4 w3-padding">
      <div class="w3-panel w3-blue">
        <h3>MS Office</h3>
        <p>Word, Excel and PowerPoint</p>
      </div>
    </div>

    <div class="w3-col m4 w3-padding">
      <div class="w3-panel w3-green">
        <h3>Tally Prime</h3>
        <p>Accounting and GST</p>
      </div>
    </div>

    <div class="w3-col m4 w3-padding">
      <div class="w3-panel w3-orange">
        <h3>Python</h3>
        <p>Programming Course</p>
      </div>
    </div>

  </div>

</div>


<!-- Table -->

<div class="w3-container">
```

```
<h2>Course Fees</h2>

<table class="w3-table w3-striped w3-bordered">

<tr class="w3-blue">
  <th>Course</th>
  <th>Duration</th>
  <th>Fees</th>
</tr>

<tr>
  <td>MS Office</td>
  <td>3 Months</td>
  <td>₹3000</td>
</tr>

<tr>
  <td>Tally Prime</td>
  <td>3 Months</td>
  <td>₹4000</td>
</tr>

<tr>
  <td>Python</td>
  <td>6 Months</td>
  <td>₹8000</td>
</tr>

</table>

</div>


<!-- Footer -->

<footer class="w3-container w3-black w3-center w3-margin-top">

  <p>© 2026 Z-Tech Computer Institute</p>

</footer>

</body>
</html>
```

Quick Revision Table

Topic	Important W3.CSS Classes
Introduction	w3.css
Container	w3-container
Colors	w3-red, w3-blue, w3-green
Text Color	w3-text-red, w3-text-blue

Topic	Important W3.CSS Classes
Panel	w3-panel
Border	w3-border
Font Size	w3-large, w3-xlarge
Alignment	w3-center, w3-left-align
Table	w3-table
Striped Table	w3-striped
Bordered Table	w3-bordered
List	w3-ul
Image	w3-image
Circle Image	w3-circle
Grid Row	w3-row
Grid Column	w3-col

1. W3.CSS Framework का परिचय

W3.CSS एक CSS Framework है जिसे वेबसाइट को सुंदर, responsive और mobile-friendly बनाने के लिए प्रयोग किया जाता है।

सामान्य CSS में हमें खुद बहुत सारी CSS properties लिखनी पड़ती हैं, लेकिन W3.CSS में पहले से बने हुए CSS classes उपलब्ध होते हैं।

उदाहरण:

```
<p class="w3-text-blue w3-large">
  यह नीले रंग का बड़ा Text है।
</p>
```

यहाँ:

w3-text-blue → Text का रंग नीला करता है।

w3-large → Text का आकार बड़ा करता है।

W3.CSS को Website में जोड़ना

<head> section में लिखें:

```
<link rel="stylesheet"
href="https://www.w3schools.com/w3css/4/w3.css">
```

---

2. W3.CSS Colors

W3.CSS में अलग-अलग रंगों के लिए predefined classes होती हैं।

प्रमुख Color Classes

Class	कार्य
w3-red	लाल Background
w3-blue	नीला Background
w3-green	हरा Background
w3-yellow	पीला Background
w3-orange	नारंगी Background
w3-black	काला Background
w3-white	सफेद Background
w3-grey	ग्रे Background

उदाहरण

```
<div class="w3-container w3-blue">
  <h2>Blue Section</h2>
</div>
```

इससे पूरा section नीले रंग का हो जाएगा।

Text का Color

Text का रंग बदलने के लिए w3-text- का प्रयोग करते हैं।

```
<p class="w3-text-red">लाल Text</p>

<p class="w3-text-blue">नीला Text</p>

<p class="w3-text-green">हरा Text</p>
```

---

3. W3.CSS Containers

w3-container class का उपयोग content को व्यवस्थित करने और उसके चारों ओर उचित padding देने के लिए किया जाता है।

उदाहरण

```
<div class="w3-container">
  <h2>Computer Institute</h2>
  <p>यह हमारा Computer Institute है।</p>
</div>
```

Color के साथ Container

```
<div class="w3-container w3-blue">
  <h2>Z-Tech Computer Institute</h2>
  <p>Professional Computer Training</p>
</div>
```

Center में Content

```
<div class="w3-container w3-center">
  <h2>Welcome</h2>
```

```
</div>
```

w3-center content को center में करता है।

---

4. W3.CSS Panels

Panel का उपयोग किसी information को एक अलग box या section में दिखाने के लिए किया जाता है।

इसके लिए:

w3-panel

का प्रयोग करते हैं।

उदाहरण

```
<div class="w3-panel w3-blue">
  <h3>महत्वपूर्ण सूचना</h3>
  <p>Admission Open है।</p>
</div>
```

Panel with Border

```
<div class="w3-panel w3-pale-green w3-border">
  <p>आपका Registration सफल हुआ।</p>
</div>
```

Panel का उपयोग

Panel का प्रयोग किया जा सकता है:

Notice के लिए

Alert के लिए

Important Information के लिए

Messages के लिए

Advertisement के लिए

---

5. W3.CSS Borders

किसी element के चारों ओर Border लगाने के लिए:

w3-border

का प्रयोग करते हैं।

चारों ओर Border

```
<div class="w3-border">
  <p>यह एक Border वाला Box है।</p>
</div>
```

अलग-अलग Side पर Border

```
<div class="w3-border-top">
  Top Border
</div>
<div class="w3-border-bottom">
  Bottom Border
</div>
<div class="w3-border-left">
  Left Border
</div>
```

```
<div class="w3-border-right">
  Right Border
</div>
```

Border का Color

```
<div class="w3-border w3-border-red">
  Red Border
</div>
```

---

6. W3.CSS Fonts

W3.CSS में Text का size और font style बदलने के लिए predefined classes हैं।

Font Size

```
<p class="w3-small">Small Text</p>

<p class="w3-medium">Medium Text</p>

<p class="w3-large">Large Text</p>

<p class="w3-xlarge">Extra Large Text</p>

<p class="w3-xxlarge">बहुत बड़ा Text</p>
```

उदाहरण

```
<h1 class="w3-xxlarge">
  Z-Tech Computer Institute
</h1>
```

---

7. W3.CSS Text

W3.CSS में Text को विभिन्न तरीकों से format किया जा सकता है।

Text Alignment

Left

```
<p class="w3-left-align">
  यह Left में है।
</p>
```

Center

```
<p class="w3-center">
  यह Center में है।
</p>
```

Right

```
<p class="w3-right-align">
  यह Right में है।
</p>
```

Text Color

```
<p class="w3-text-red">Red Text</p>

<p class="w3-text-blue">Blue Text</p>

<p class="w3-text-green">Green Text</p>
```

Faded Text

```
<p class="w3-opacity">
```

यह हल्के रंग का Text है।
</p>

---

8. W3.CSS Tables

W3.CSS का उपयोग करके HTML Table को आसानी से सुंदर बनाया जा सकता है।

Simple Table

```
<table class="w3-table">

<tr>
  <th>नाम</th>
  <th>Course</th>
  <th>Fees</th>
</tr>

<tr>
  <td>Rahul</td>
  <td>Tally Prime</td>
  <td>5000</td>
</tr>

<tr>
  <td>Amit</td>
  <td>Excel</td>
  <td>4000</td>
</tr>

</table>
```

Bordered Table

```
<table class="w3-table w3-bordered">
```

इससे प्रत्येक row/column में border दिखाई देगा।

Striped Table

```
<table class="w3-table w3-striped">
```

इससे alternate rows में अलग background दिखाई देता है।

Hoverable Table

```
<table class="w3-table w3-hoverable">
```

Mouse को row पर ले जाने पर row highlight हो जाती है।

Multiple Classes

```
<table class="w3-table w3-striped w3-bordered w3-hoverable">
```

इसमें:

w3-table → Table styling
w3-striped → Alternate row color
w3-bordered → Border
w3-hoverable → Mouse hover effect

---

9. W3.CSS Lists

List को सुंदर बनाने के लिए:

w3-ul

का प्रयोग किया जाता है।

Example
```
<ul class="w3-ul">

  <li>MS Office</li>
  <li>Tally Prime</li>
  <li>Advanced Excel</li>
  <li>Python</li>

</ul>
```
Border के साथ
```
<ul class="w3-ul w3-border">

  <li>HTML</li>
  <li>CSS</li>
  <li>JavaScript</li>

</ul>
```
Hover Effect
```
<ul class="w3-ul w3-hoverable">

  <li>MS Word</li>
  <li>MS Excel</li>
  <li>PowerPoint</li>

</ul>
```

---

10. W3.CSS Images

W3.CSS में images को responsive और attractive बनाने के लिए classes उपलब्ध हैं।

Responsive Image
```
<img src="computer.jpg" class="w3-image">
```
w3-image image को responsive बनाता है।

Rounded Image
```
<img src="student.jpg" class="w3-round">
```
Image के corners rounded हो जाते हैं।

Circle Image
```
<img src="student.jpg" class="w3-circle">
```
Image गोल दिखाई देती है।

Border वाली Image
```
<img src="computer.jpg" class="w3-border">
```
Image Example
```
<img src="student.jpg"
   class="w3-image w3-round"
   width="400">
```

---

11. W3.CSS Grid

Grid का उपयोग webpage को अलग-अलग columns में divide करने के लिए किया जाता है।

W3.CSS में मुख्यतः:

w3-row

w3-col
classes का प्रयोग होता है।
W3.CSS Grid में सामान्यतः 12-column system प्रयोग किया जाता है।
2 Columns
```
<div class="w3-row">

  <div class="w3-col m6 w3-blue">
    Left Column
  </div>

  <div class="w3-col m6 w3-green">
    Right Column
  </div>

</div>
```
यहाँ:
6 + 6 = 12
अर्थात दो बराबर columns बनेंगे।
3 Columns
```
<div class="w3-row">

  <div class="w3-col m4 w3-red">
    HTML
  </div>

  <div class="w3-col m4 w3-blue">
    CSS
  </div>

  <div class="w3-col m4 w3-green">
    JavaScript
  </div>

</div>
```
यहाँ:
4 + 4 + 4 = 12
इसलिए तीन बराबर columns बनेंगे।

---

12. Complete Example – W3.CSS Website
```
<!DOCTYPE html>
<html>

<head>

<title>Z-Tech Computer Institute</title>

<link rel="stylesheet"
href="https://www.w3schools.com/w3css/4/w3.css">
```

```
</head>

<body>

<!-- Header -->

<header class="w3-container w3-blue w3-center">

  <h1>Z-Tech Computer Institute</h1>

  <p class="w3-large">
    Professional Computer Training
  </p>

</header>


<!-- About -->

<div class="w3-container w3-padding">

  <h2 class="w3-text-blue">
    हमारे बारे में
  </h2>

  <p>
    हम विभिन्न Computer Courses की Training प्रदान करते हैं।
  </p>

</div>


<!-- Courses -->

<div class="w3-container">

<h2 class="w3-center">
  हमारे Courses
</h2>

<div class="w3-row">

  <div class="w3-col m4 w3-padding">

    <div class="w3-panel w3-blue">

      <h3>MS Office</h3>

      <p>
        Word, Excel और PowerPoint
```

```
      </p>

    </div>

  </div>

  <div class="w3-col m4 w3-padding">

    <div class="w3-panel w3-green">

      <h3>Tally Prime</h3>

      <p>
        Accounting और  GST
      </p>

    </div>

  </div>

  <div class="w3-col m4 w3-padding">

    <div class="w3-panel w3-orange">

      <h3>Python</h3>

      <p>
        Programming Course
      </p>

    </div>

  </div>

</div>

</div>

<!-- Course Table -->

<div class="w3-container">

<h2>Course Fees</h2>

<table class="w3-table w3-striped w3-bordered">

<tr class="w3-blue">
```

```
  <th>Course</th>
  <th>Duration</th>
  <th>Fees</th>

</tr>

<tr>

  <td>MS Office</td>
  <td>3 Months</td>
  <td>₹3000</td>

</tr>

<tr>

  <td>Tally Prime</td>
  <td>3 Months</td>
  <td>₹4000</td>

</tr>

<tr>

  <td>Python</td>
  <td>6 Months</td>
  <td>₹8000</td>

</tr>

</table>

</div>


<!-- Footer -->

<footer class="w3-container w3-black w3-center">

  <p>
    © 2026 Z-Tech Computer Institute
  </p>

</footer>

</body>

</html>
```

परीक्षा के लिए महत्वपूर्ण Classes

Topic	W3.CSS Class
Container	w3-container

Topic	W3.CSS Class
Color	w3-blue
Text Color	w3-text-blue
Panel	w3-panel
Border	w3-border
Center	w3-center
Large Text	w3-large
Table	w3-table
Table Border	w3-bordered
Striped Table	w3-striped
Hover Table	w3-hoverable
List	w3-ul
Image	w3-image
Round Image	w3-round
Circle Image	w3-circle
Row	w3-row
Column	w3-col