

Module 5 - Working with Classes in CSS

Classes in CSS allow you to apply styles to multiple elements without altering the HTML structure significantly. By defining a class in CSS, you can reuse the style across different HTML elements, ensuring consistency and efficiency in your styling.

What are CSS Classes?

CSS classes are used to define a group of styles that can be applied to multiple elements. By assigning a class to an HTML element, you can control the appearance of that element using CSS.

1. Defining Classes in CSS:

- The `.mountains` class is defined to have the following styles:

```
css Copy code
p.mountains {
  color: brown;
  text-align: justify;
  text-decoration: underline;
  font-size: 16pt;
}
```

- The `.beach` class is defined to have these styles:

```
css Copy code
p.beach {
  color: navy;
  text-align: right;
  text-decoration: overline;
  font-size: 14pt;
}
```

2. Applying Classes in HTML:

- The `class` attribute is used within the paragraph tags to apply the respective classes:

```
html Copy code
<p class="mountains">Exploring the Mountains...</p>
<p class="beach">Relaxing on the Beach...</p>
```



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Advantages of Using CSS Classes

1. Reusability:

o Classes can be applied to multiple elements, making it easy to reuse styles across the website.

2. Maintainability:

o By defining styles in one place (the CSS file), you can easily make changes that will automatically apply to all elements using that class.

3. Specificity:

o Classes offer a higher specificity than element selectors, allowing for more precise styling without affecting other elements.

4. Modularity:

o Classes allow you to create modular styles that can be mixed and matched, promoting a clean and organized approach to CSS.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Healthy Eating</title>
  <style>
    h1 {
      text-align: center;
      color: darkorange;
    }
    p {
      font-weight: bold;
      margin-right: 10%;
    }
    p.fruits {
      color: green;
      text-align: left;
      text-decoration: underline;
      font-size: 14pt;
    }
    p.water {
      color: blue;
      text-align: center;
      text-decoration: underline;
      font-size: 12pt;
    }
  </style>
</head>
<body>
  <h1>Healthy Eating</h1>
  <p class="fruits">The Importance of Fruits and Vegetables: Fruits and vegetables are essential components of a healthy diet. They provide vital nutrients, vitamins, and minerals that help maintain good health and prevent chronic diseases.</p>
  <p class="water">Benefits of Drinking Water: Drinking adequate water is crucial for overall health. It helps to keep the body hydrated, supports digestion, flushes out toxins, and maintains healthy skin and energy levels.</p>
</body>
</html>

```

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Explanation:

HTML:

HTML:

- The <head> section includes a <title> that sets the page title to "Healthy Eating".
- The <style> tag contains CSS rules to style the elements.
- The <body> section contains an <h1> heading and two paragraphs with different classes: fruits and water.

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CSS:

- The h1 element is styled with text-align: center; and color: darkorange; to center the heading and give it a dark orange color.
- The general p style is applied to all paragraphs, making the text bold and adding a 10% right margin.
- The p.fruits class applies specific styles to the first paragraph:
 - color: green;; Sets the text color to green.
 - text-align: left;; Aligns the text to the left.
 - text-decoration: overline;; Adds an overline to the text.
 - font-size: 14pt;; Sets the font size to 14 points.
- The p.water class applies specific styles to the second paragraph:
 - color: blue;; Sets the text color to blue.
 - text-align: center;; Centers the text.
 - text-decoration: underline;; Adds an underline to the text.
 - font-size: 12pt;; Sets the font size to 12 points.

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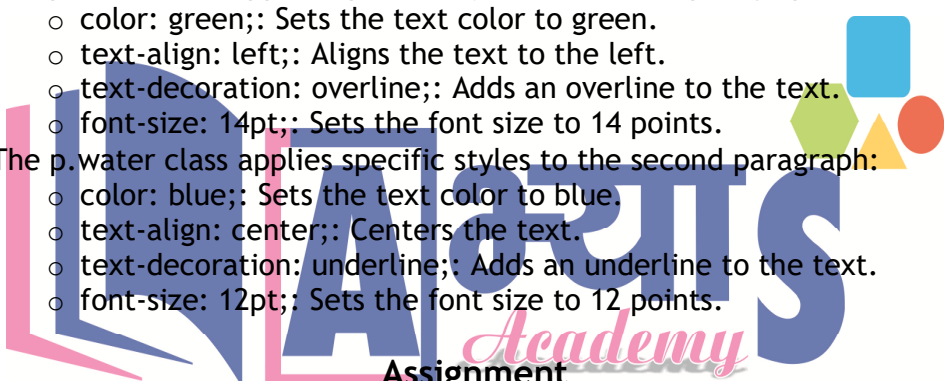
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Question 1: Create a webpage with a main heading and two paragraphs. Style the paragraphs using CSS to demonstrate the following:

- The main heading should read "Travel Destinations".
- The first paragraph should discuss "Exploring the Mountains" and have the following styles:
 - Text color: Brown
 - Text alignment: Justify
 - Text decoration: Underline
 - Font size: 16pt
- The second paragraph should discuss "Relaxing on the Beach" and have the following styles:
 - Text color: Navy
 - Text alignment: Right
 - Text decoration: Overline

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o Font size: 14pt

Question 2: Create a webpage with a main heading and two paragraphs. Style the paragraphs using CSS to demonstrate the following:

- The main heading should read "Healthy Living".
- The first paragraph should discuss "Benefits of Regular Exercise" and have the following styles:

- o Text color: DarkGreen
- o Text alignment: Left
- o Text decoration: Line-through
- o Font size: 14pt

• The second paragraph should discuss "Importance of Sleep" and have the following styles:

- o Text color: DarkRed
- o Text alignment: Center
- o Text decoration: None
- o Font size: 12pt

Question 3: Create a webpage with a main heading and two paragraphs. Style the paragraphs using CSS to demonstrate the following:

- The main heading should read "Technology Trends".
- The first paragraph should discuss "The Rise of Artificial Intelligence" and have the following styles:

- o Text color: Black
- o Text alignment: Justify
- o Text decoration: Overline
- o Font size: 15pt

• The second paragraph should discuss "Advancements in Robotics" and have the following styles:

- o Text color: Gray
- o Text alignment: Left
- o Text decoration: Underline
- o Font size: 13pt

Question 4: Create a webpage with a main heading and two paragraphs. Style the paragraphs using CSS to demonstrate the following:

- The main heading should read "Culinary Delights".
- The first paragraph should discuss "Gourmet Cooking" and have the following styles:

- o Text color: DarkBlue
- o Text alignment: Right
- o Text decoration: Line-through
- o Font size: 18pt

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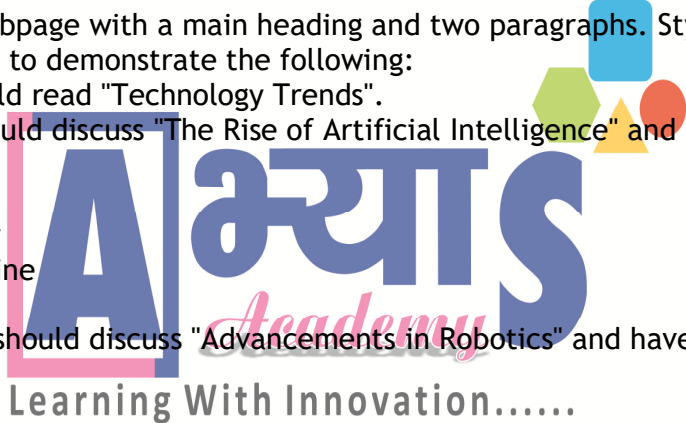
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• The second paragraph should discuss "Baking Basics" and have the following styles:

- Text color: DarkOrange
- Text alignment: Center
- Text decoration: Overline
- Font size: 14pt



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