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HTML | Class Attribute

Difficulty Level : Easy   ●   Last Updated : 24 Aug, 2022

Class in html:

- The class is an attribute which specifies one or more class names for an HTML element.
- The class attribute can be used on any HTML element.
- The class name can be used by CSS and JavaScript to perform certain tasks for elements with the specified class name.

Supported Tags: It supports all HTML elements.

Example :

HTML

```html
<!DOCTYPE html>
<html>
<head>
    <style>
        .country {
            background-color: black;
            color: white;
            padding: 8px;
        }
    </style>
</head>
<body>
    <h2 class="country">CHINA</h2>

<p>China has the largest population
    in the world.</p>

    <h2 class="country">INDIA</h2>
```

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```html
<p>United States has the third largest
      population in the world.</p>

</body>
</html>
```

Output:

CHINA

China has the largest population in the world.

INDIA

India has the second largest population in the world.

UNITED STATES

United States has the third largest population in the world.

Explanation: In the above example CSS styles all elements with the class name "Country".

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HTML

```
<!DOCTYPE html>
<html>
<head>
    <script>
        function myFunction() {
            var x = document.getElementsByClassName("country");
            for (var i = 0; i < x.length; i++) {
                x[i].style.display = "none";
            }
        }
    </script>
</head>
<body>

<p>Click the button, and a JavaScript hides all
    elements with the class name "country":</p>

    <button onclick="myFunction()">Hide elements</button>
    <h2 class="country">CHINA</h2>

<p>China has the largest population in the world.</p>

    <h2 class="country">INDIA</h2>

<p>India has the second largest population in the world.</p>

    <h2 class="country">UNITED STATES</h2>

<p>United States has the third largest population
    in the world.</p>

</body>
</html>
```

Output:

- Before Clicking the hide elements button:

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CHINA

China has the largest population in the world.

INDIA

India has the second largest population in the world.

UNITED STATES

United States has the third largest population in the world.

- After clicking on the hide elements button :

Click the button, and a JavaScript hides all elements with the class name "country":

Hide elements

China has the largest population in the world.

India has the second largest population in the world.

United States has the third largest population in the world.

Using multiple classes:

HTML elements can have more than one class name, where each class name must be separated by a space.

Example:

HTML

```
DOCTYPE html>
html>
```

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```
         pauuing. iopx;
    }
    .middle {
        text-align: center;
    }
</style>
<body>
    <h2 class="country middle">CHINA</h2>
    <h2 class="country">INDIA</h2>
    <h2 class="country">UNITED STATES</h2>
</body>
</html>
```

Output :

Explanation: All three headers have the class name "country", but in addition to that, CHINA also has the class name "middle", which makes the text center-aligned.

Using same class in different tags: Different tags, like <h2> and <p>, can have the same class name and thereby share the same style.

Example:

HTML

```
.country {
    background-color: black;
    color: white;
    padding: 10px;
}
</style>
<body>
    <h2 class="country">CHINA</h2>
    <p class="country">
      China has the largest
      population in the world.
      </p>

</body>
</html>
```

Output :

Explanation: Even if the two elements do not have the same tag name, they can have the same class name, and get the same styling.

Supported Browser: The browser supported by *Class* attribute are listed below :

- Google Chrome
  Edge 12 and above
  Firefox 32 and above

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