

CSS Selectors & Inheritance | Cheat Sheet

1. CSS Selectors

The CSS Selectors are used to select the HTML Elements that we want to style.

The different types of CSS Selectors are:

Simple Selectors

Class Selector

ID Selector

Type (tag name) Selector

Attribute Selector

Universal Selector

Pseudo-class

Compound Selectors

Complex Selectors and many more.

1.1 Class Selector

The CSS Class Selector selects all the HTML elements that have a given CSS class selector as their class attribute value. It consists of a dot (.), followed by the class name of the HTML element.

```
<p class="paragraph">The population of India is around 138 crores.</p>
```

```
.paragraph {  
  color: blue;  
}
```

Here, the CSS class selector is .paragraph. So, it selects all the HTML elements that have an HTML attribute name class, and its value paragraph.

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous"/>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-9/reFTGAW83EW2RDu2S0VVKalzap3H66lZ81PoYIFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPIYxofvL8/KUEfYiJOMMV+rV"
crossorigin="anonymous"></script>

<style>

@import
url("https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@400;700&family=Lobster&family=Monoton&family=Open+Sans:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,700;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=Source+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,wght@0,400;0,700;1,700&display=swap");

.heading {
color: orange;
font-size: 28px;
font-weight: 600;
}

.paragraph {
color: blue;
}

</style>

```

</head>

<body>

  <h1 class="heading">About India</h1>

  <p class="paragraph">The population of India is around 138 crores.</p>

  <p class="paragraph">There are 28 states in India.</p>

</body>

</html>

```

1.2 ID Selector

The CSS ID selector selects an HTML element based on its ID attribute value. It consists of a hash (#), followed by the ID of the HTML element.

```

<p id="populationParagraph">The population of India is around 138 crores.</p>

```

```

#populationParagraph {
  color: blue;
}

```

Here, the CSS ID selector is #populationParagraph. So, it selects the HTML element that has an HTML attribute name id and its value populationParagraph.

```

<!DOCTYPE html>

<html>

  <head>

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous"/>

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>

```

```
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-9/reFTGAW83EW2RDu2S0VKalzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>
```

```
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPIYxofvL8/KUEfYijJOMMV+rV"
crossorigin="anonymous"></script>
```

```
<style>
```

```
@import
```

```
url("https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@400;700&family=Lobster&family=Monoton&family=Open+Sans:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,700;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=Source+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,wght@0,400;0,700;1,700&display=swap");
```

```
#countryHeading {
```

```
color: orange;
```

```
font-size: 28px;
```

```
font-weight: 600;
```

```
}
```

```
#populationParagraph {
```

```
color: blue;
```

```
}
```

```
#statesParagraph {
```

```
color: green;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1 id="countryHeading">About India</h1>
```

```
<p id="populationParagraph">The population of India is around 138 crores.</p>
```

```
<p id="statesParagraph">There are 28 states in India.</p>
```

```
</body>
```

</html>

output