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.

The population of India is around 138 crores.

```
.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 it's value paragraph.

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet"</pre>
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-</pre>
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+lbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"</pre>
integrity="sha384-9/reFTGAW83EW2RDu2S0VKalzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"</p>
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV"
crossorigin="anonymous"></script>
<style>
@import
url("https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@400;700&family=Lobst
er&family=Monoton&family=Open+Sans:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+S
C:ital,wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,700;1,700&family=Roboto:it
al,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>
  The population of India is around 138 crores.
  There are 28 states in India.
 </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.
The population of India is around 138 crores.
#populationParagraph {
color: blue;
}
Here, the CSS ID selector is #populationParagraph. So, it selects the HTML element that has an HTML
attribute name id and it's value populationParagraph.
<!DOCTYPE html>
<html>
 <head>
  <link rel="stylesheet"</pre>
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-</pre>
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+lbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
```

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-9/reFTGAW83EW2RDu2S0VKalzap3H66lZH81PoYIFhbGU+6BZp6G7niu735Sk7IN"
crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/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");

```
#countryHeading {
color: orange;
font-size: 28px;
font-weight: 600;
}
#populationParagraph {
color: blue;
#statesParagraph {
color: green;
}
</style>
</head>
<body>
 <h1 id="countryHeading">About India</h1>
 The population of India is around 138 crores.
 There are 28 states in India.
 </body>
```

</html>

output