2.1 CSS Inheritance

The mechanism through which the value of certain CSS properties is passed on from parent elements to child elements is called **Inheritance**.

2.1.1 Parent Element

If the HTML elements are placed inside the other HTML element, then the outer HTML element is called the parent element of the HTML elements inside it.

```html
1  <div>
2      <h1>The seven wonders of the world</h1>
3      <p>
4        The <a href="https://en.wikipedia.org/wiki/Taj_Mahal">Taj Mahal</a>
5        is one of the seven wonders of the world.
6      </p>
7  </div>
```

From the above Code Snippet, we can say:

1. The HTML `div` element is the parent element of the HTML `h1` and `p` elements.
2. The HTML `p` element is the parent element of the HTML `a` element.

2.1.2 Child Element

An HTML element that is directly inside the parent element is called the child element of that parent element.

```html
1  <div>
2      <h1>The seven wonders of the world</h1>
3      <p>
4        The <a href="https://en.wikipedia.org/wiki/Taj_Mahal">Taj Mahal</a>
5        is one of the seven wonders of the world.
6      </p>
7  </div>
```

From the above Code Snippet, we can say:

1. The HTML `h1` and `p` elements are the child elements of the HTML `div` element.
2. The HTML `a` element is the child element of the HTML `p` element.

CSS properties can be categorized into two types:

- Inherited properties
- Non-inherited properties

2.1.3 Inherited Properties

If the CSS properties applied to the parent element **are inherited** by the child elements, then they are called Inherited properties.

Some of the CSS Inherited Properties are:-

- Text related Properties

  - font-family
  - font-style
  - font-weight
  - text-align

- List related Properties

  - list-style-type

- color property and many more.

2.1.4 Non-inherited Properties

If the CSS properties applied to the parent element **are not inherited** by the child elements, then they are called Non-inherited properties.

Some of the CSS Non-inherited properties are:

- CSS Box Properties

  - width
  - height
  - margin
  - padding
  - border-style
  - border-width
  - border-color
  - border-radius

- CSS Background Properties

  - background-image
  - background-color
  - background-size

- text-decoration and many more.