Chapter 5 Size Position and Lists

These are more units for describing size either other than "px".

These are rem .em vw, vh, percentages etc.

What wrong with pixels?

Pixels (px) are relative to the viewing device. For a device with size 1920X1080, 1px is 1 unit out of 1080/1920.

Relative lengths

These units are relative to the other length property. Following are some of the most commonly used relative's lengths.

1. em ------------ > Unit relative to the parent font size.

<p style="text-align:center;color:red;">Em means "my parent element" font size.</p>

2. rem ------------ > Unit relatives to the root font size (<html> tag)

3. vw ------------ > Unit relatives to 1% viewport width.

4. vh -------------- > unit relative to 1% viewport height.

5. % -------------- > unit relative to the parent element.

Min/max-height/width property

CSS has a min-height, max-height, and min-width and max-width property.

If the content is smaller than the minimum height, minimum height will be applied.

Similar is the case with other related properties.

The position property

Used to manipulate the location of an element following are the possible values.

Static -------- > The default position. Top/bottom/left/right/z-index has not effect;

Relative-------- > The Top/bottom/left/right/z-index now work. Otherwise the element is in the flow of document like static.

Absolute-------- > The element is removed from the flow & is relative positioned to its first non-static ancestor. Top/bottom/left/right/z-index works;

Fixed -------- > Just like absolute except the element is positioned relative to the browser window.

Sticky-------- > The element is positioned based on user scroll position.

List-style property

The list style property is a shorthand for type, position & image.

ul{

list-style:square inside url("profile.png");

}

Z-index property

The z-index property specifies the stock order of an element.

It defines which layer will be above which in case of overlapping elements.

Source Code:

```
Units.html
<!DOCTYPE html>
<html lang="en">

<head>
```

```html
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Units in Css</title>
<style>
    html {
    /*    font-size: 16px;*/
    }

    .container {
        font-size: 32px;
    }

    .box {
        font-size: 2em;
        /* parent class font size equal to 32px here 32*2= 74pxs*/
        font-size: 2rem;
    }

    .box2 {
        background-color: aquamarine;
        width: 333px;
        width: 50vw;
        height: 50vh;
    }
</style>
</head>

<body>
    <div class="container">
        <p> I am a parent class of box</p>
        <div class="box">
            Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit esse
odit adipisci sapiente et ut molestiae quam magni, nesciunt deleniti nostrum nam
accusantium voluptatem unde impedit praesentium recusandae molestias eos id
perferendis.
        </div>
        <div class="box2">
            Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis
eveniet aliquam sunt quidem molestias dolores id corrupti, aut rerum, a ea optio,
reprehenderit illo ipsa? Distinctio cupiditate repellendus est doloribus, quae
perferendis delectus
            officia alias mollitia nemo sed illo magnam incidunt quidem enim
nostrum, laboriosam praesentium voluptate velit rem eaque!
        </div>
    </div>
```

```
</body>

</html>

Min/max.html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Min width and Min/ Max height</title>
    <style>
        .container {
            background-color: blueviolet;
            min-height: 50vh;
            width: 343px;
            min-width: 50vw;
        }
    </style>
</head>

<body>
    <div class="container">
        Lorem ipsum dolor sit amet consectetur adipisicing elit. Odit error
asperiores iure ab praesentium dicta, laudantium ut excepturi molestiae aperiam
rem earum et neque in nam voluptas quas! Molestiae, similique! Iusto, natus ipsa!
    </div>
</body>

</html>
```

Thank You