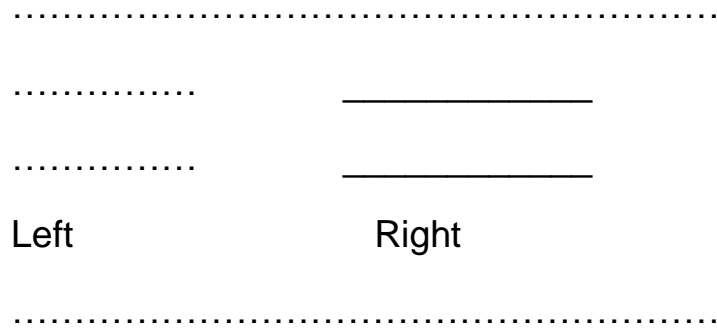


Chapter 6 Flex Box

Before we look into the css flexbox, we will look into float and clear properties.

The float property

Float property is simple. It just flows the element towards left right.



The clear property

Used to clear the float. It specifies what elements can float beside a given element.

The CSS flexbox

Aims at providing a better way to layout, align and distribute space among items in a container.

```
.container{  
  Display:flex;  
}
```

Flex-direction property

Define the direction towards which items are laid can be row, row-reverse, column, column-reverse.

Flex properties for parent (flex container)

Following are the properties for the flex parent.

1. flex-wrap: Can be wrap, non-wrap, and wrap-reverse. Wrap items as needed with this property.
2. Justify-content: define alignment along main axis.
3. Align-items: define alignment along cross axis.
4. Align-content-aligns a flex container lines when there is extra space in the cross axis.

Flex properties for children (flex items)

Following are the properties for the flex children.

1. Order: controls the order in which the items appear in the flex container.
2. Align-self: Allows default alignment to be overridden for the individual flex items.
3. Flex-grow: defines the ability for a flex item to grow.
4. Flex-shrink: Specifies how much a flex item will shrink relative to the rest of the flex item.

Source Code:

```
float.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Flaot property</title>
  <style>
    .left{
      background-color:red;
      width:300px;
```

```

        height:50vh;
        float:right;
    }
    .right{
        background-color:blue;
        width:300px;
        height:50vh;
        float:right;
        clear:right;
    }
</style>
</head>
<body>

    <div class="left">
        i am left class
    </div>
    <div class="right">
        i am right class
    </div>
</body>
</html>

```

flexbox.html

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>flexbox in Css</title>
    <style>
        .container{
            display:flex;
            flex-wrap:wrap;
            justify-content:center; /* content can horizontally center*/
            align-items:center; /* content can vertically center*/
            height:100vh;
            background-color:yellow;
            align-items:flex-end;
            /*    align-content:center;*/
        }
        .box1{
            width:300px;
            height:300px;

```

```

        background-color:red;
        order:4;
        align-self:flex-end;
    }
    .box2{
        width:300px;
        height:300px;
        background-color:blue;
    }
    .box3{
        width:300px;
        height:300px;
        background-color:aqua;
        /*flex-grow:3;*/
    }
</style>
</head>

<body>
    <div class="container">

        <div class="box1">
            Box1
            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">
            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 class="box3">
            Box3
            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>

```

```
</div>
<div class="box2">
  Box4
  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>
```

Thank You