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Que. Create a GitHub page or **submit** HTML page: 1. Explain box model with an example. 2. Create a Flex and use images in it.

HTML File:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Box Model</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <nav class="head">
      <p class="Scroll-Top"> <a href="#intro" style="color: #fff; padding: 0.2vw 0.2vw; font-family: monospace; font-size: 2vw">Box Model</a></div>
      <div class="topList">
        <div class="ScrollDown"><a href="#defintion">Defination</a></div>
        <div class="ScrollDown"><a href="#example">Defination</a></div>
        <div class="ScrollDown"><a href="#Info">More Information</a></div>
      </div>
    </nav>
    <section>
      <div id="defintion">
        <div class="content">
          <h1>The CSS Box Model</h1>
          <p>The CSS box model describes the rectangular boxes that are generated for elements in the document tree and laid out according to the visual formatting model. CSS determines the size, position, and properties (color, background, border size, etc.) of these boxes.
          Every box is composed of four parts (or areas), defined by their respective edges: the content edge, padding edge, border edge, and margin edge.</p>
          <p class="example">This is a paragraph without padding, margin, border</p>
          Explanation of the different parts:
          <ul>
            <li>Content - The content of the box, where text and images appear</li>
            <li>Padding - Clears an area around the content. The padding is transparent</li>
            <p class="example" style="padding: 1vw;">This is paragraph with Padding</p>
            <li>Border - A border that goes around the padding and content</li>
            <p class="example" style="border: 1vw;">This is paragraph with Border</p>
            <li>Margin - Clears an area outside the border. The margin is transparent</li>
            <p class="example" style="margin: 2vw; border-style: solid; border-color: black; margin: 0;">This is paragraph with Margin</p>
```

```

    </ul>
    The box model allows us to add a border around elements, and to define space between
    elements.
  </div>
  <div class="image">
    
  </div>
</div>
<div class="flex-container">
  
  
  
  
</div>
</section>
<footer id="Info">
  <h2>More Information</h2>
  View code <a href="https://github.com/Ayushi1881/Assignment/blob/main/week4_assignment/i
ndex.html">here</a> at github page <br/>
  Download output and input of <a download href="2006046_AyushiGupta.pdf">assignment</a>
</footer>
</body>
</html>

```

CSS File:

```

body{
  margin: 0;
  font-size: 1.5vw;
}
.image{
  display: inline-flex;
  padding: 8vw 2vw;
  height: 30%;
  width: 30%;
}
.flex-container{
  display: flexbox;
}
image{
  width: auto;
  height: auto;
}
.head{
  display: flex;
  margin: 0;
  flex-flow: row;
  background: grey;
  justify-content: space-between;
  font-size: 2vw;}
.topList{
  display: inline-flex;
  direction: ltr;
  align-items:center;
}
nav a{
  text-decoration: none;
  cursor: pointer;
}

```

```

    color: silver
}
p{
    margin: 0.4vw;
}
.ScrollDown{
    padding: 0.4vw 0.4vw;
    font-size: 1vw;
}
.example{
    background-color: #3D2C8D;
    font-size: 2vw;
    color: #F7FD04;
}
.content{
    width: 60%;
    margin: 1vw;
}
#defintion{
    display: flex;
    margin: 0;
    background-color: #EDFFEC;
}
footer{
    background-color: gray;
    align-content: center;
    font-size: 1.5vw;
    text-align: center;
}
@media screen and (max-width: 600vw) {
    image{
        flex: 50%;
        max-width: 20%;
    }
}

```

Box Model

The CSS Box Model

The CSS box model describes the rectangular boxes that are generated for elements in the document tree and laid out according to the visual formatting model. CSS determines the size, position, and properties (color, background, border size, etc.) of these boxes. Every box is composed of four parts (or areas), defined by their respective edges: the content edge, padding edge, border edge, and margin edge.

This is a paragraph without padding, margin, border

Explanation of the different parts:

- Content - The content of the box, where text and images appear
- Padding - Clears an area around the content. The padding is transparent

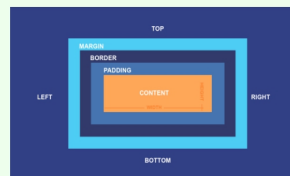
This is paragraph with Padding

- Border - A border that goes around the padding and content

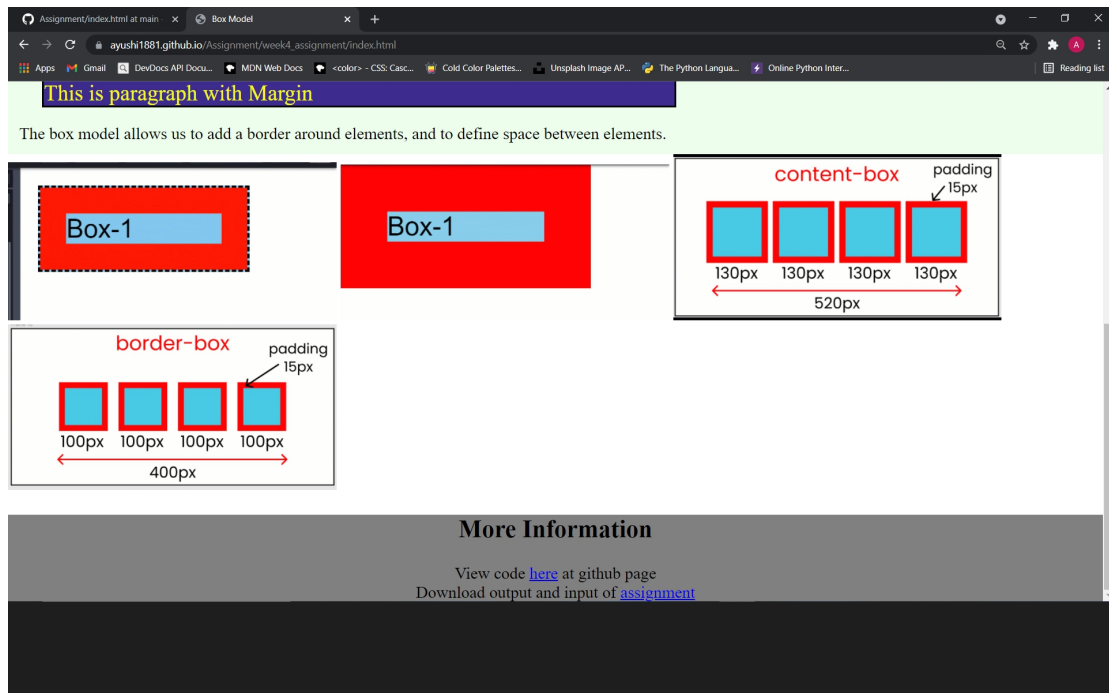
This is paragraph with Border

- Margin - Clears an area outside the border. The margin is transparent

This is paragraph with Margin



The box model allows us to add a border around elements, and to define space between elements.



View code at : https://github.com/Ayushi1881/Assignment/blob/main/week4_assignment/index.html
Website: https://ayushi1881.github.io/Assignment/week4_assignment/index.html