

Date:6/08/2024

Part 1: CSS Positioning

Objective: Create a web page demonstrating different CSS positioning techniques.

Instructions:

1. Create an HTML file named index.html.
2. Add a div element with the class container and three child div elements with classes absolute, relative, and fixed.
3. Style the container to have a width of 500px and height of 300px.
4. Apply different positioning styles to each child div.

Part 2: Try changing the width and give only 10px to border property. Mention what changes you have noticed with the content.
Hint: Create a html with div containers and classes accordingly.

```
.border-box, .content-box {  
  
    width: 200px;  
  
    height: 100px;  
  
    margin: 20px;  
  
    padding: 20px;  
  
    border: 10px solid black;
```

```
}
```

```
.border-box {  
    box-sizing: border-box;  
    background-color: lightyellow;  
}
```

```
.content-box {  
    box-sizing: content-box;  
    background-color: lightgray;  
}
```

Part 3: Javascript – show difference between substr and substring with negative index and positive index for the string “The world is wonderful”.

Part 4: Javascript : Show what’s inline, internal and external scripts.

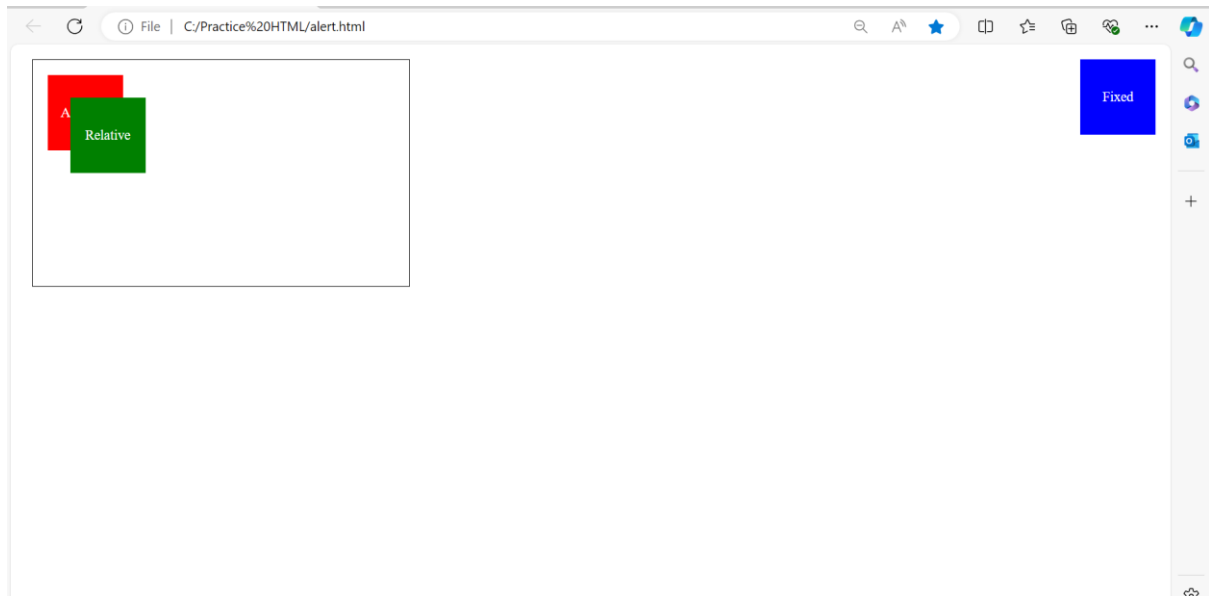
Part 5: Javascript: As per naming convention, which variable is advisable to use for functions or arrays: const or let or var?

ANSWERS:

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

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Positioning</title>
  <style>
    .container {
      width: 500px;
      height: 300px;
      position: relative; /* Necessary for positioning child elements */
      border: 1px solid black; /* Just to visualize the container */
      margin: 20px;
    }
    .absolute, .relative, .fixed {
      width: 100px;
      height: 100px;
      color: white;
      text-align: center;
      line-height: 100px;
      font-size: 18px;
    }
    .absolute {
      position: absolute;
      top: 20px;
      left: 20px;
      background-color: red;
    }
    .relative {
      position: relative;
      top: 50px;
      left: 50px;
      background-color: green;
    }
    .fixed {
      position: fixed;
      top: 20px;
      right: 20px;
      background-color: blue;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="absolute">Absolute</div>
    <div class="relative">Relative</div>
    <div class="fixed">Fixed</div>
  </div>
</body>
</html>
```

Output:



```
2. !DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Box-Sizing</title>
  <style>
    .border-box, .content-box {
      width: 200px;
      height: 100px;
      margin: 20px;
      padding: 20px;
      border: 10px solid black;
    }

    .border-box {
      box-sizing: border-box;
      background-color: lightyellow;
    }
  </style>
</head>
<body>
  <div class="border-box">
    <div class="content-box">
      <div class="absolute">Absolute</div>
      <div class="relative">Relative</div>
    </div>
    <div class="fixed">Fixed</div>
  </div>
</body>
</html>
```

```
        .content-box {
            box-sizing: content-box;
            background-color: lightgray;
        }
    </style>
</head>
<body>
    <div class="border-box">border-box</div>
    <div class="content-box">content-box</div>
</body>
```

Output:

