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Part 1: CSS Positioning

Code:

```html
<!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;
      background-color: lightblue;
    }
    .absolute {
      position: absolute;
      top: 20px;
      left: 20px;
      width: 100px;
      height: 100px;
      background-color: red;
    }
    .relative {
```
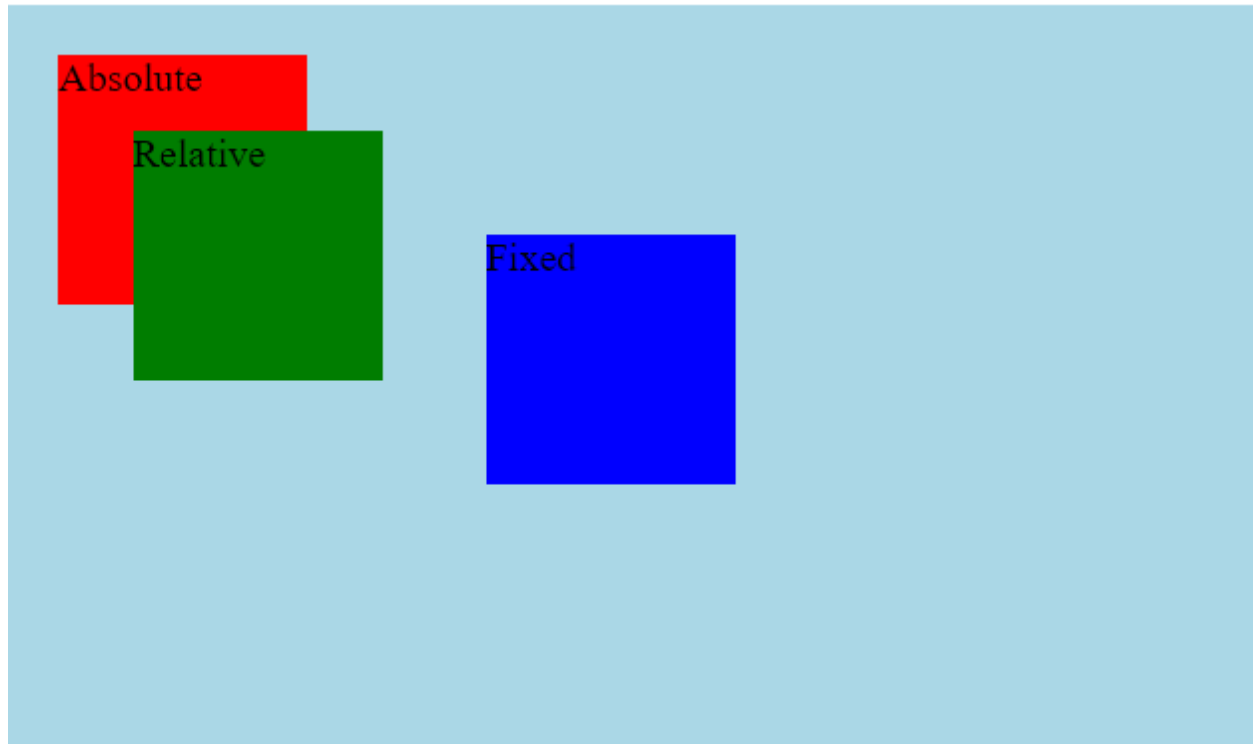
```
        position: relative;
        top: 50px;
        left: 50px;
        width: 100px;
        height: 100px;
        background-color: green;
    }
    .fixed {
        position: fixed;
        top: 100px;
        left: 200px;
        width: 100px;
        height: 100px;
        background-color: 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

Part 2: Box-Sizing and Border Property:

```html
<!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;
```
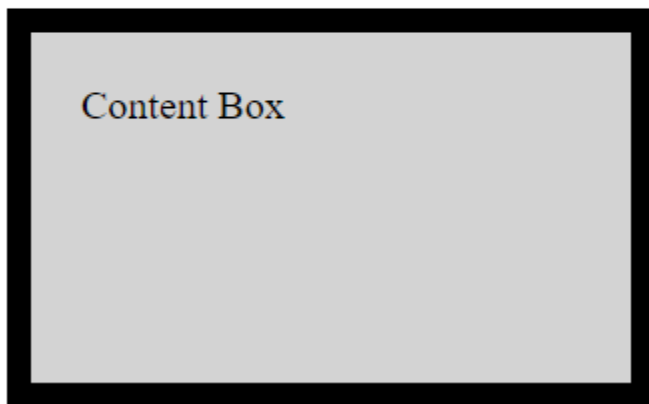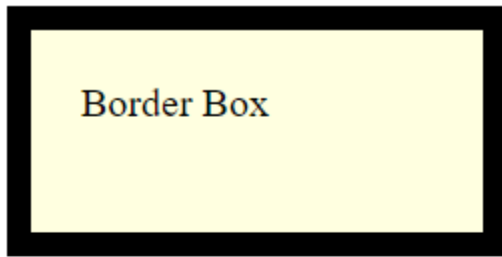
```
      height: 100px;
      margin: 20px;
      padding: 20px;
      border: 10px solid black;
    }
    .border-box {
      box-sizing: border-box;
      background-color: lightyellow;
    }
    .content-box {
      box-sizing: content-box;
      background-color: lightgray;
    }
  </style>
</head>
<body>
  <div class="border-box">Border Box</div>
  <div class="content-box">Content Box</div>
</body>
</html>
```

Output:

Part 3: JavaScript substr vs substring

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript substr vs substring</title>
</head>
<body>
  <script>
    const str = "The world is wonderful";
```
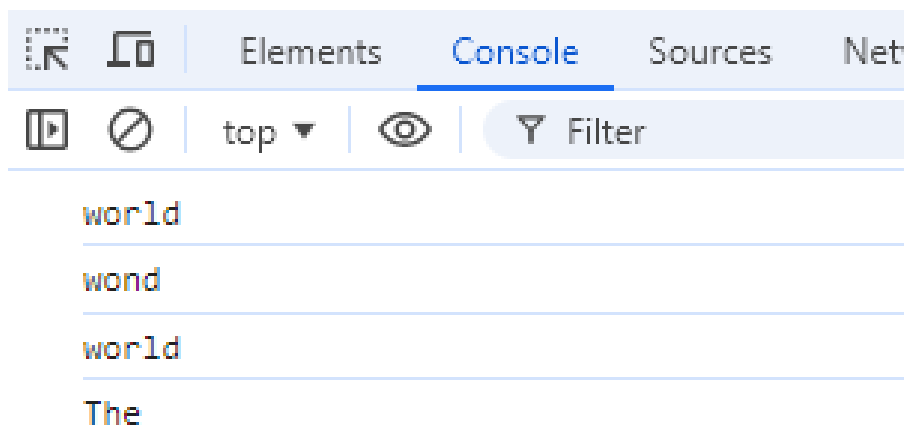
```javascript
        console.log(str.substr(4, 5));
        console.log(str.substr(-9, 4));

        console.log(str.substring(4, 9));
        console.log(str.substring(-9, 4));
    </script>
</body>
</html>
```

Output


```
world

wond

world

The
```

Part 4: Inline, Internal, and External Scripts

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>JavaScript Types</title>
```

```html
    <!-- Internal Script -->
    <script>
      function internalScript() {
        console.log("Internal Script");
      }
    </script>
  </head>
  <body>
    <!-- Inline Script -->
    <button onclick="console.log('Inline Script')">Inline Script</button>
    <button onclick="internalScript()">Internal Script</button>
    <!-- External Script -->
    <script src="external.js"></script>
  </body>
</html>
```
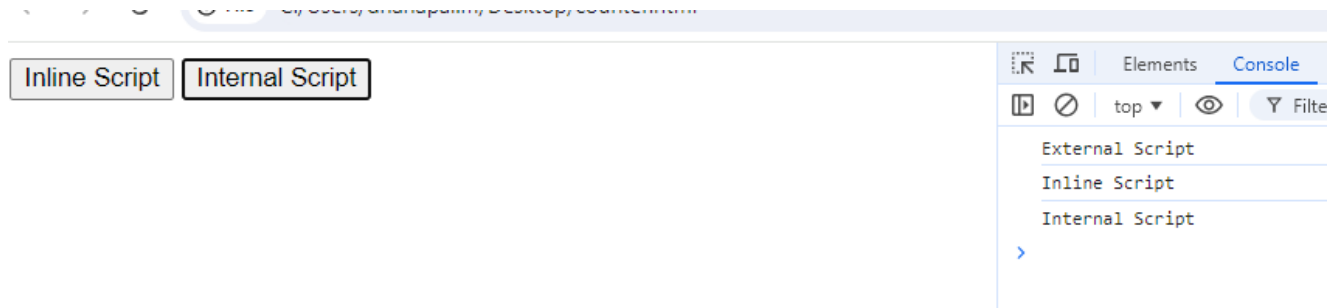
Create an external.js file :
```js
console.log("External Script");
```

Output:

Part 5: JavaScript Variable Declaration

```javascript
const arr = [1, 2, 3];
let count = 0;
function myFunction() {
  var message = "Hello";
  console.log(message);
}
myFunction();
```

Output:

```javascript
> const arr = [1, 2, 3];
  let count = 0;
  function myFunction() {
      var message = "Hello";
      console.log(message);
  }

  myFunction();
```

```
Hello
```