

Program 5

Apply positioning methods of elements on a webpage with div elements and their corresponding classes using two external stylesheets. Compare the output with absolute, and relative positioning of div elements.

index.html (relative):

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Positioning relative</title>

  <!-- External Stylesheets -->
  <link rel="stylesheet" href="relative.css">

</head>
<body>
  <h1>Positioning with DIVs (RELATIVE)</h1>

  <div class="container">
    <div class="box box1">Box 1</div>
    <div class="box box2">Box 2</div>
    <div class="box box3">Box 3</div>
  </div>
</body>
</html>
```

relative.css

```
/* relative.css */
body {
  font-family: Arial, sans-serif;
  background: #f0f0f0;
```

```
}
```

```
.container {
```

```
width: 600px;
```

```
height: 300px;
```

```
border: 2px solid black;
```

```
margin: 30px auto;
```

```
background: white;
```

```
position: relative;
```

```
}
```

```
.box {
```

```
width: 100px;
```

```
height: 100px;
```

```
color: white;
```

```
text-align: center;
```

```
line-height: 100px;
```

```
font-weight: bold;
```

```
}
```

```
.box1 {
```

```
background: red;
```

```
position: relative;
```

```
top: 20px;
```

```
left: 30px;
```

```
}
```

```
.box2 {
```

```
background: blue;
```

```
position: relative;
```

```
top: 40px;
```

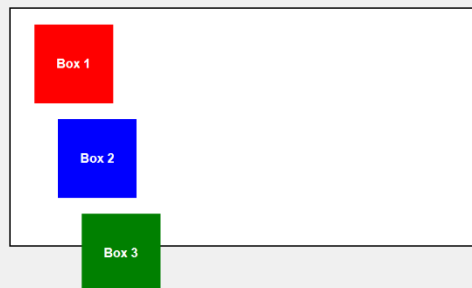
```
left: 60px;
```

```
}
```

```
.box3 {  
  background: green;  
  position: relative;  
  top: 60px;  
  left: 90px;  
}
```

OUTPUT:

Positioning with DIVs (RELATIVE)



- Each box **shifts from its original flow position** by top and left.
- The boxes **still occupy their original space**, so they appear *staggered downwards*.
- Example: Box 2 moves relative to where it would normally sit (under Box 1).

index2.html (Absolut):

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Positioning absolute</title>

  <!-- External Stylesheets -->
  <link rel="stylesheet" href="absolute.css">

</head>
<body>
  <h1>Positioning with DIVs (ABSOLUTE)</h1>

  <div class="container">
    <div class="box box1">Box 1</div>
    <div class="box box2">Box 2</div>
    <div class="box box3">Box 3</div>
  </div>
</body>
</html>
```

absolute.html:

```
/* absolute.css */
body {
  font-family: Arial, sans-serif;
  background: #f0f0f0;
}

.container {
  width: 600px;
  height: 300px;
```

```
border: 2px solid black;  
margin: 30px auto;  
background: white;  
position: relative;  
}
```

```
.box {  
width: 100px;  
height: 100px;  
color: white;  
text-align: center;  
line-height: 100px;  
font-weight: bold;  
}
```

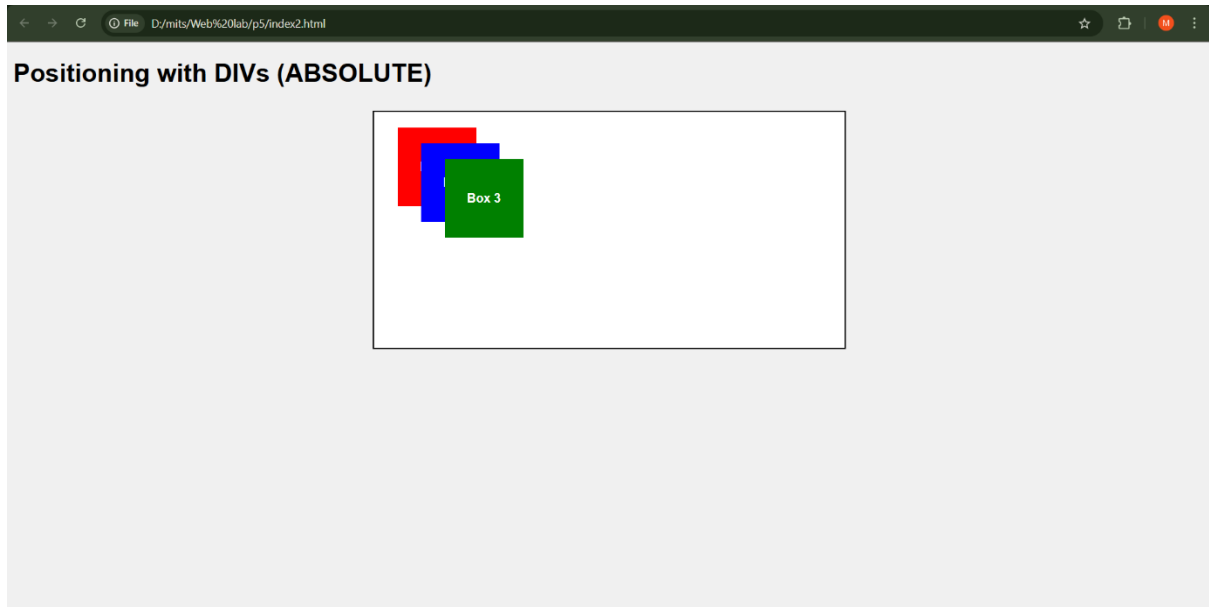
```
.box1 {  
background: red;  
position: absolute;  
top: 20px;  
left: 30px;  
}
```

```
.box2 {  
background: blue;  
position: absolute;  
top: 40px;  
left: 60px;  
}
```

```
.box3 {  
background: green;  
position: absolute;
```

```
top: 60px;  
left: 90px;  
}
```

Output:



- Boxes are positioned **relative to the container's top-left corner**.
- They **do not leave space in normal flow**.
- As a result, the boxes may **overlap** inside the container depending on coordinates.