



CS197WP

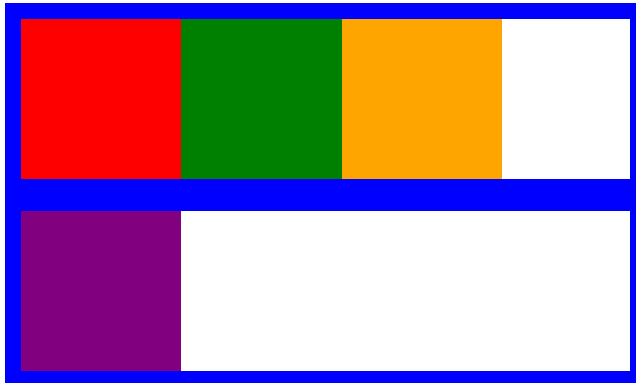
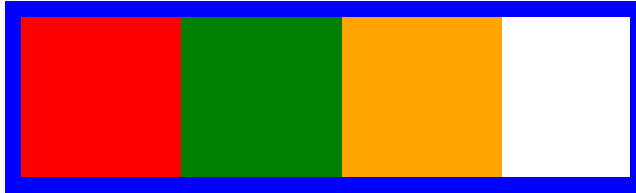
Intro to Web Programming

Nicolas Scarri - *February 13, 2017*

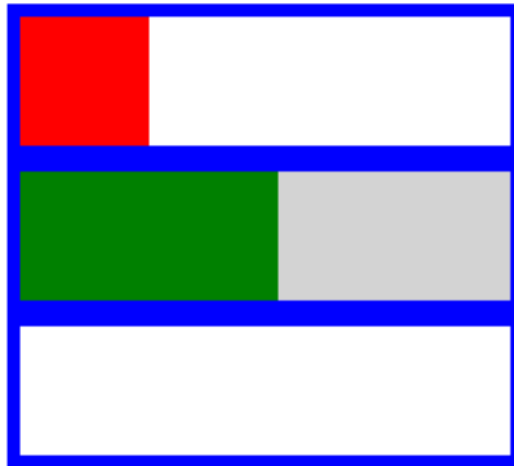
Flow



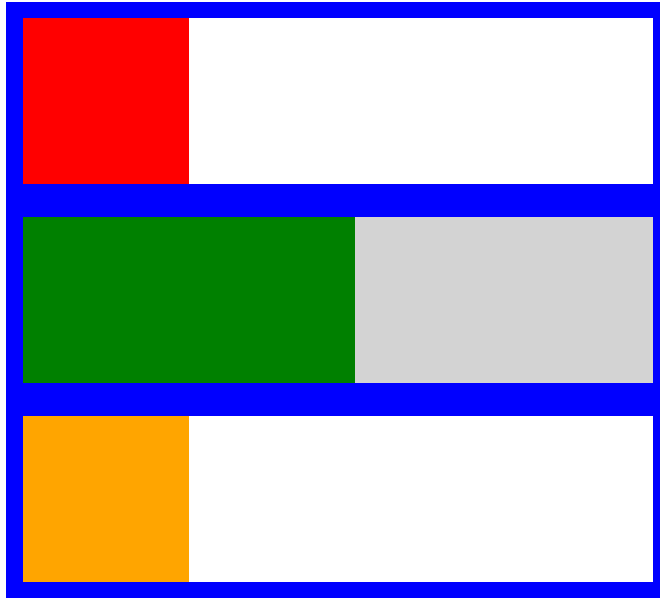
display: inline



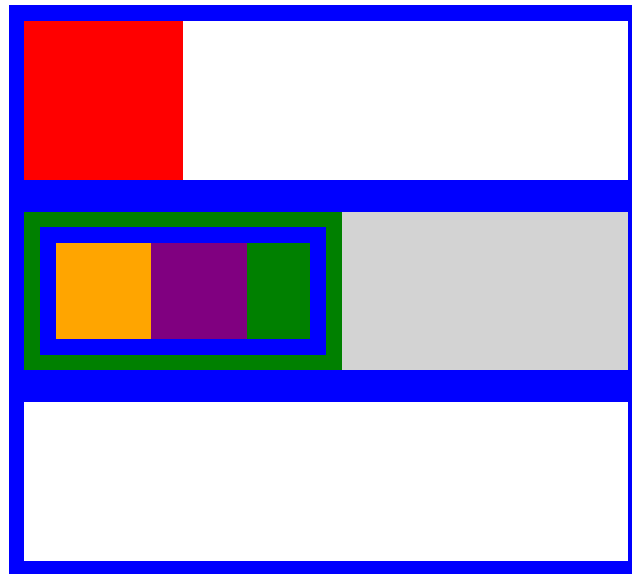
display: block



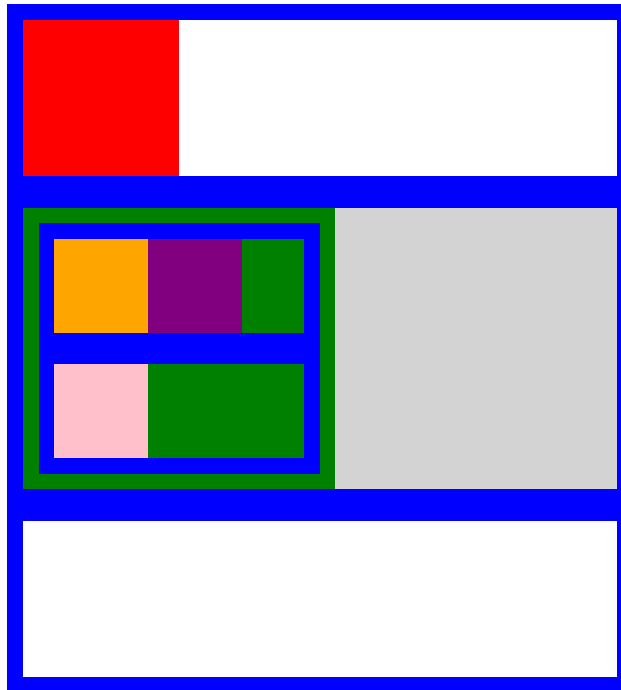
display: block



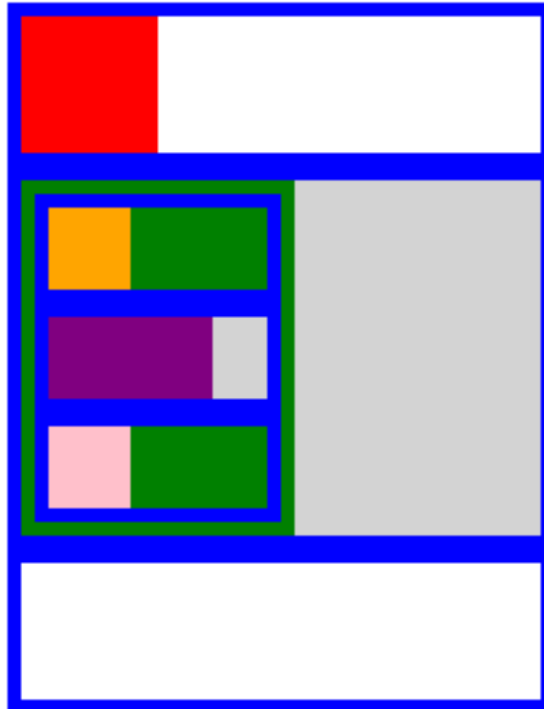
Nested blocks



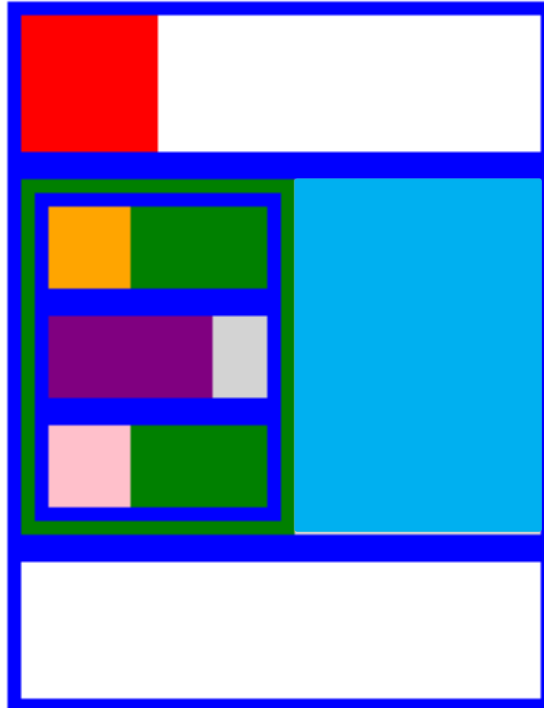
Nested blocks



Nested blocks



display:inline-block



Including CSS

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link href="stylesheet.css"  
          rel="stylesheet"  
          type="text/css"/>
```

```
  </head>
```

```
...
```

```
</html>
```

CSS Syntax

```
a{  
    text-decoration: none;  
}
```

Selector - **selects elements**

Property - **display property**

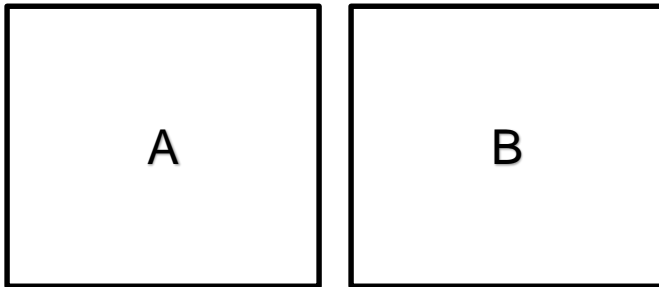
Value - **affects display**

Phantom Space

```
div { display:inline-block; }
```

```
<div>A</div>
```

```
<div>B</div>
```



phantom ^ space

Phantom Space

```
div { display:inline-block; }
```

```
<div>A</div><!--
```

```
--><div>B</div>
```



Selectors

a { font-color: red }

`Red Link Text`

#id { font-color: red }

`Normal Red Text Text`

.class { font-color: red }

`Red`

`Normal`

`Red`

Selector Combinations

#important, #loud { font-color: red }

`RED`

`Normal`

`RED`

span.class { font-color: red }

`Red`

`Normal`

`normal`

Selector Combinations

span a { font-color: red }

```
<span>Visit <a href="somewhere.com">  
somewhere</a></span>
```

```
<span>By Nick Scarrci</span>
```

```
<a href="next.com">Next Article</a>
```


text-align

```
<div>
```

```
<div class="menu"><ul>
```

```
<li><a href="le.co">learn</a></li>
```

```
<li><a href="ap.co">apply</a></li>
```

```
</div>
```

```
</div>
```

[Learn](#)
[Apply](#)

Lorem ipsum dolor sit amet
Adipiscing elit. Nunc ultrices
sed Viverra ac, ullamcorper
siscipit Lacus. Fusce ac
vestibulum ligula. Mauri condi.

text-align:right

```
div .menu
```

```
{
```

```
  display:inline-block;
```

```
  text-align:right;
```

```
}
```

Lorem ipsum dolor sit amet
Adipiscing elit. Nunc ultrices
sed Viverra ac, ullamcorper
siscipit Lacus. Fusce ac
vestibulum ligula. Mauri condi.

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float:right

div .menu

{

float:right;

}

Lorem ipsum dolor sit amet
Adipiscing elit. Nunc ultrices sed
Viverra ac, ullamcorper siscipit
Lacus. Fusce ac vestibulum ligula. Mauri
condimentum neque id urna suscipit ac.

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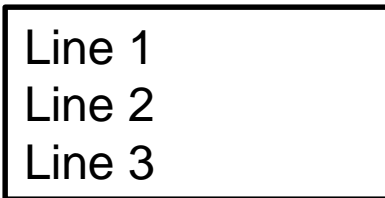
units - px

```
div {  
    width:500px;  
    height: 250px;  
}
```



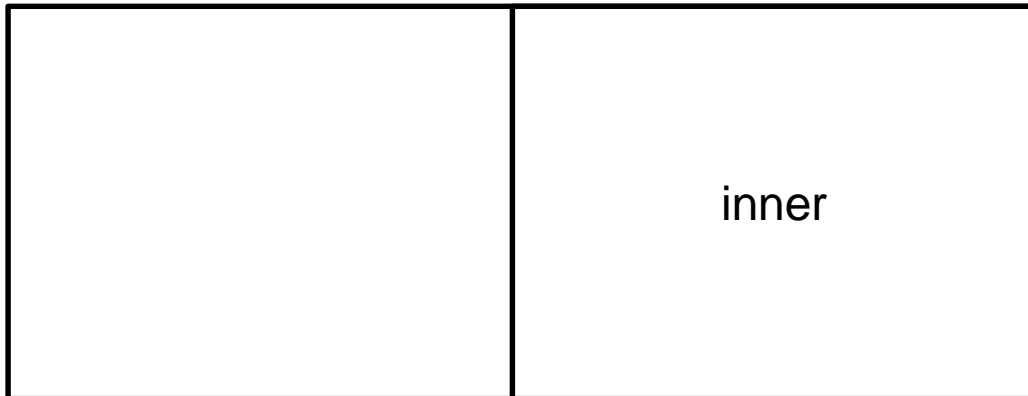
units - px

```
div {  
  width:500px;  
  height: 3em;  
}
```



units - %

```
div#inner {  
  width:50%;  
  height: 100%;  
}
```



vertical-align:top

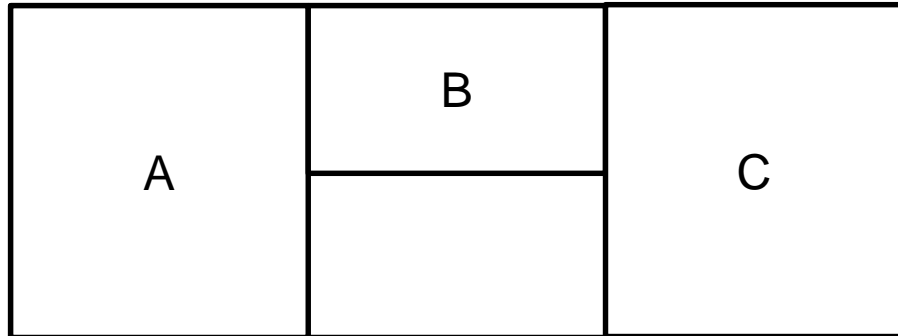
```
<div>
```

```
  <div style="height:50px;">A</div>
```

```
  <div style="height:25px;">B</div>
```

```
  <div style="height:50px;">C</div>
```

```
</div>
```



vertical-align:middle

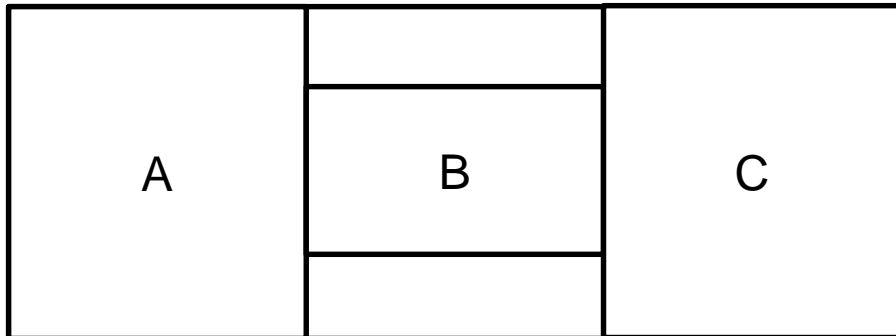
```
<div>
```

```
  <div style="height:50px;">A</div>
```

```
  <div style="height:25px;">B</div>
```

```
  <div style="height:50px;">C</div>
```

```
</div>
```



vertical-align:bottom

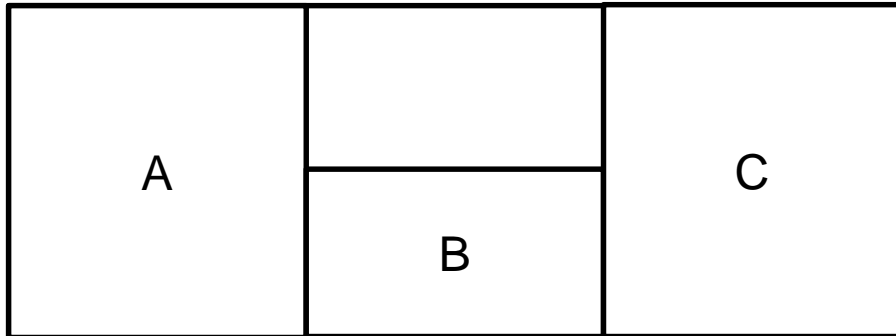
```
<div>
```

```
  <div style="height:50px;">A</div>
```

```
  <div style="height:25px;">B</div>
```

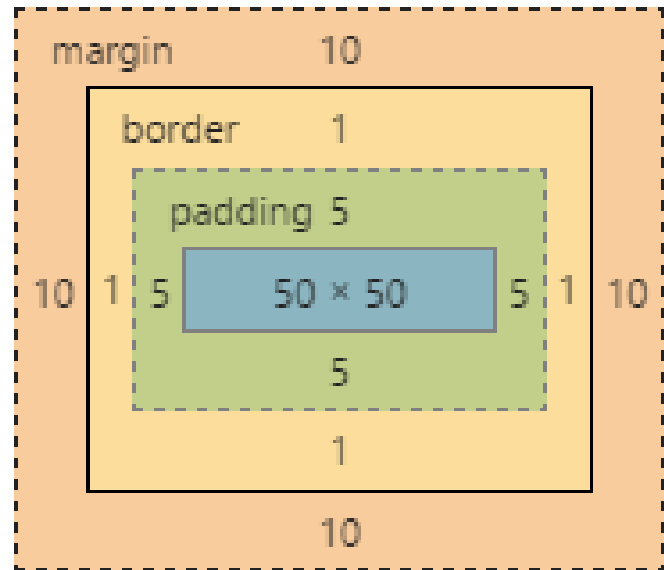
```
  <div style="height:50px;">C</div>
```

```
</div>
```



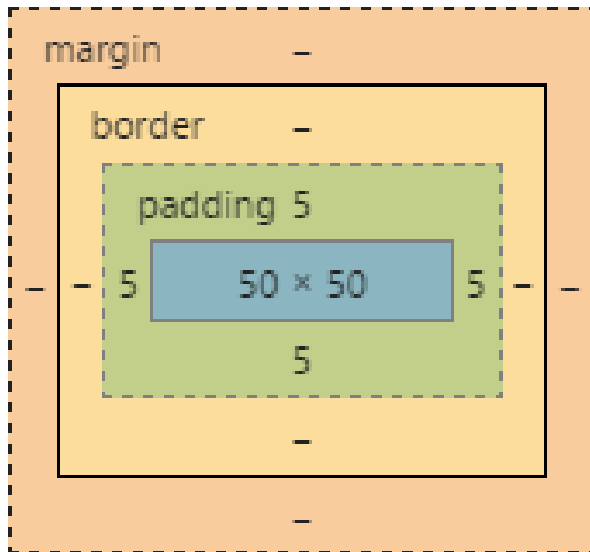
The Box Model

```
#box-model{  
  margin: 10px;  
  border: 1px solid red;  
  padding: 5px;  
  width: 50px;  
  height: 50px;  
}
```

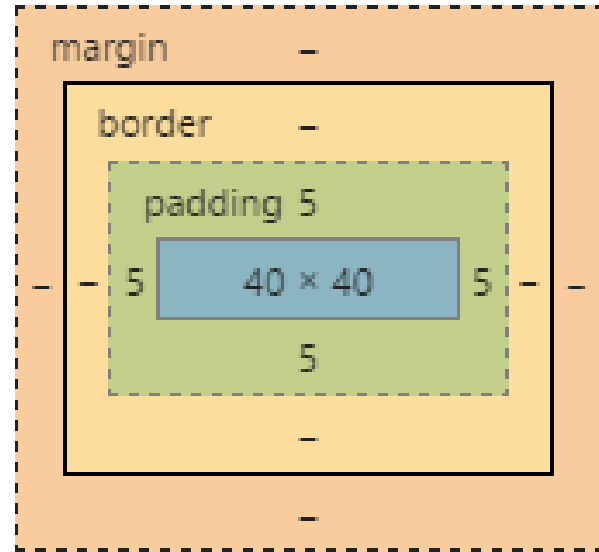


box-sizing

```
.bm{ width:50px; height:50px; padding:5px; }
```



```
#left{ box-sizing:content-box; }
```



```
#right{ box-sizing:border-box; }
```

Sub-properties

```
#sp1{  
  padding:5px;  
}
```

==

```
#sp2{  
  padding-left:5px;  
  padding-right:5px;  
  padding-top:5px;  
  padding-bottom:5px;  
}
```

Sub-properties

```
#sp1{
  border:1px solid red;
}
==
#sp2{
  border-width:1px;
  border-style:solid;
  border-color:red;
}
```

```
position: absolute;
```

```
div { position: relative; }
```

```
div .menu {
```

```
    position: absolute;
```

```
    right: 0px;
```

```
    top: 0px;
```

```
}
```

Lorem ipsum dolor sit amet Adipiscing elit. Nunc ultrices Viverra ac, ullamcorper siscip Lacus. Fusce ac vestibulum ligula. Mauri condimentum neque id urna.	Learn Apply
--	--

position:fixed

```
div { position: relative; }
```

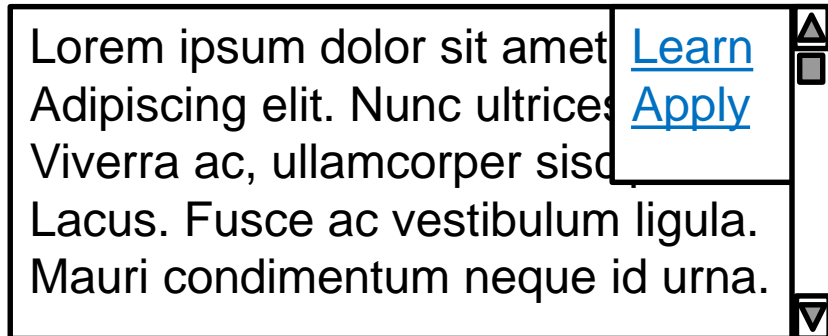
```
div .menu {
```

```
    position:fixed;
```

```
    right:0px;
```

```
    top: 0px;
```

```
}
```



position:fixed

```
div { position: relative; }
```

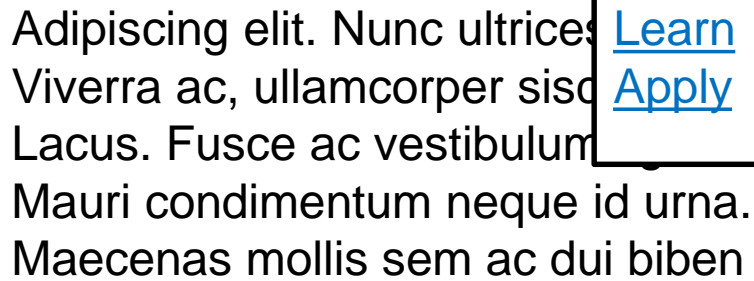
```
div .menu {
```

```
    position:fixed;
```

```
    right:0px;
```

```
    top: 0px;
```

```
}
```

A screenshot of a browser window showing a menu. The menu is a white box with a black border, containing five lines of placeholder text: "Adipiscing elit. Nunc ultrices", "Viverra ac, ullamcorper sisc", "Lacus. Fusce ac vestibulum", "Mauri condimentum neque id urna.", and "Maecenas mollis sem ac dui biben". To the right of the menu is a vertical scroll bar with a grey slider and black arrowheads at the top and bottom. The menu is positioned over a background that is partially visible, showing a blue link "Learn" and a grey button "Apply".

Adipiscing elit. Nunc ultrices [Learn](#)
Viverra ac, ullamcorper sisc [Apply](#)
Lacus. Fusce ac vestibulum
Mauri condimentum neque id urna.
Maecenas mollis sem ac dui biben

A photograph of a UMass Amherst campus scene, featuring a large building in the background, trees, and a field of tulips in the foreground. The image is overlaid with a semi-transparent dark red filter. The tulips in the foreground are in various stages of bloom, with some showing vibrant red and others yellow. The building in the background has a modern architectural style with horizontal bands. The trees are mostly bare, suggesting a late autumn or winter setting.

UMassAmherst

The Commonwealth's Flagship Campus