

class, id, div

Class, ID & DIV



```
#first {  
  background-color: green;  
  color: red;  
}  
  
#maincontent {  
  border-style: solid;  
  border-width: 2px;  
}
```

class · id · div

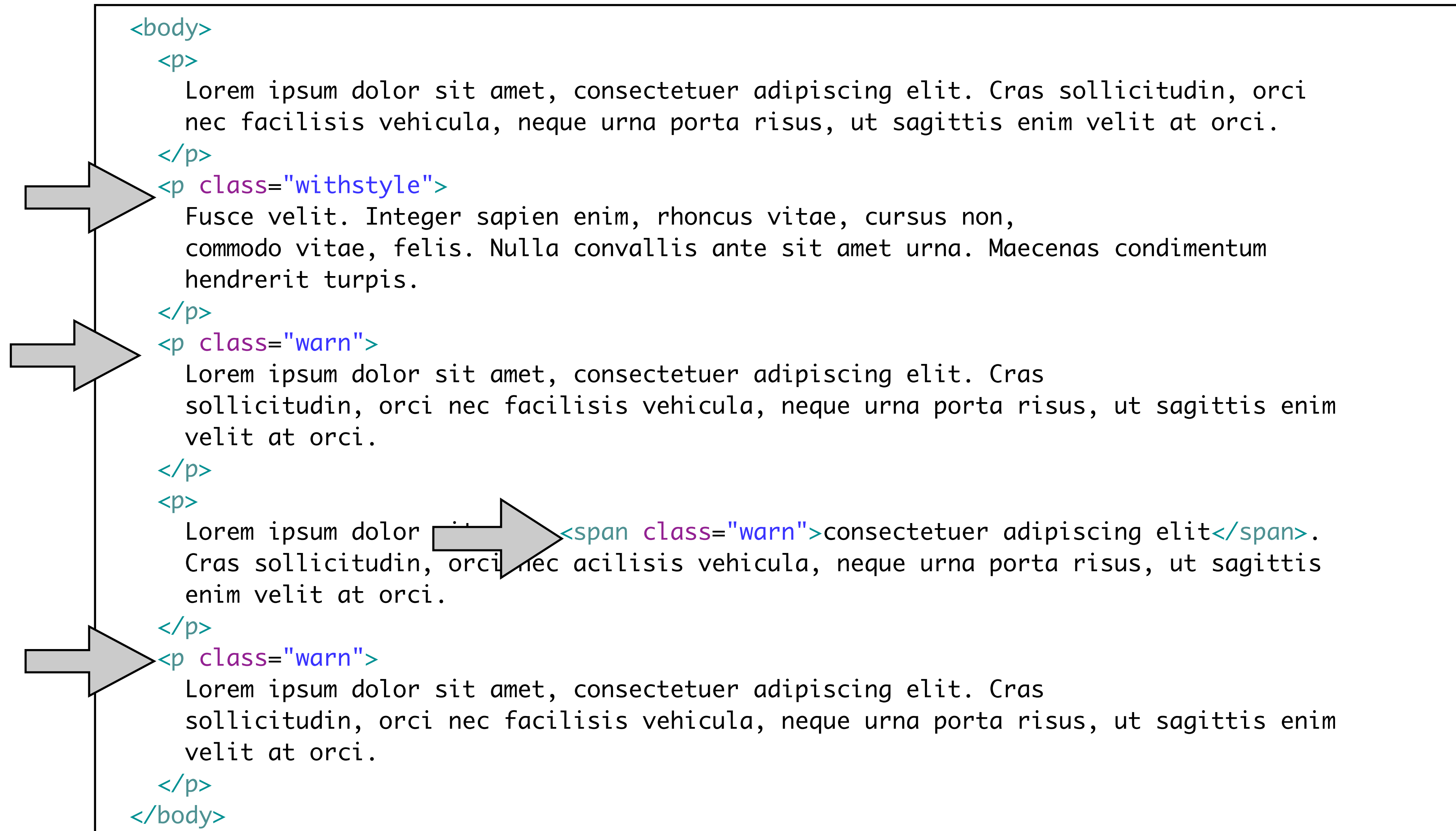
class Attribute

- While the name of an element specifies its *type*, the class attribute lets you assign to it one or more *subtypes*.
- These subtypes may then be used in CSS code for styling purposes.
- In particular, several elements may share a class and only those elements can be identified for restyling



Using **class** to identify elements

```
<body>
  <p>
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci
    nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
  <p class="withstyle">
    Fusce velit. Integer sapien enim, rhoncus vitae, cursus non,
    commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum
    hendrerit turpis.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
    sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
    velit at orci.
  </p>
  <p>
    Lorem ipsum dolor sit amet, consectetur adipiscing elit<span class="warn">consectetur adipiscing elit</span>.
    Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis
    enim velit at orci.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
    sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
    velit at orci.
  </p>
</body>
```

A diagram illustrating the use of the 'class' attribute in HTML. It shows a block of HTML code within a box. Four grey arrows point from the left towards the code: the first points to the opening tag of the second paragraph, the second points to the opening tag of the third paragraph, the third points to the opening tag of the fourth paragraph, and the fourth points to the opening tag of the fifth paragraph. Additionally, a grey arrow points from the text 'consectetur adipiscing elit' in the fourth paragraph to the opening tag of a element with the class 'warn'.

Classes in Action

```
<body>
  <p>
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci
    nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
  <p class="withstyle">
    Fusce velit. Integer sapien enim, rhoncus vitae, cursus non,
    commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum
    hendrerit turpis.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
    sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
    velit at orci.
  </p>
  <p>
    Lorem ipsum dolor sit amet,<span class="warn">consectetur adipiscing elit</span>.
    Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis
    enim velit at orci.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
    sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
    velit at orci.
  </p>
</body>
```

style.css

```
p {
  background-color: white;
  color: black;
}

.withstyle {
  background-color: olive;
  color: navy;
}

.warn {
  background-color: yellow;
  color: red;
}
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Fusce velit. Integer sapien enim, rhoncus vitae, cursus non, commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum hendrerit turpis.

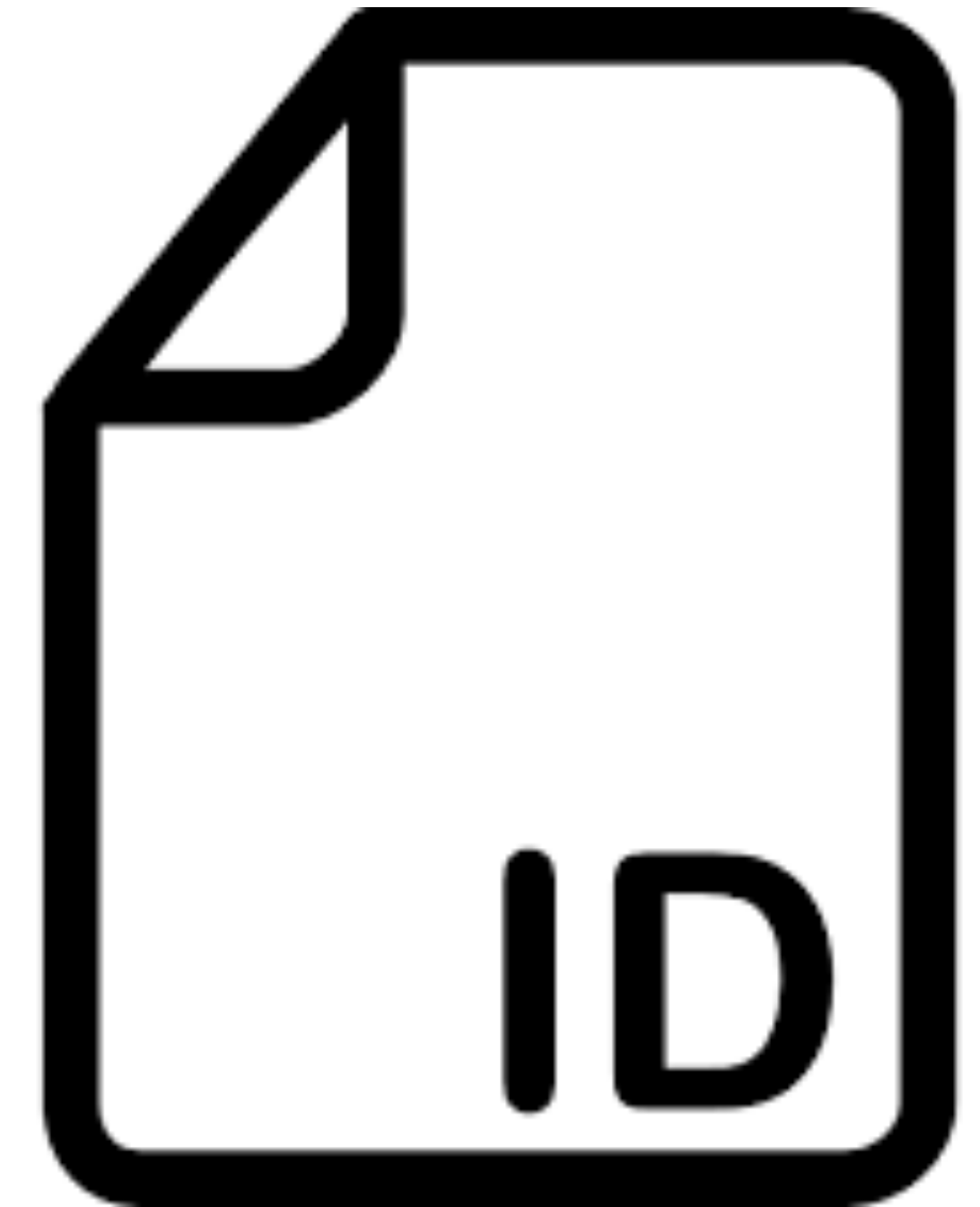
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

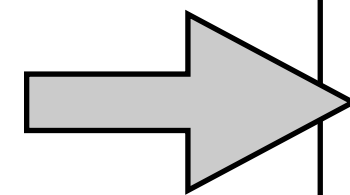
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

ID Attribute

- While the name of an element specifies its *type*, the id attribute lets you identify a specific element.
- Targeting elements by ID means you can devise rules that apply to a single element in a document
- IDs must be unique to a document - there cannot be two elements with the same IDs



Using **id** to identify elements



```
<body>
  <p id="first">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci
    nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
  <p class="withstyle">
    Fusce velit. Integer sapien enim, rhoncus vitae, cursus non,
    commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum
    hendrerit turpis.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
    sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
    velit at orci.
  </p>
  <p>
    Lorem ipsum dolor sit amet,<span class="warn">consectetur adipiscing elit</span>.
    Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis
    enim velit at orci.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
    sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
    velit at orci.
  </p>
</body>
```


Classes & IDs in Action

```
<!DOCTYPE html>
<html>
  <head>
    <title> Sample for topic 03 </title>
    <link rel="stylesheet" href="style.css" type="text/css"/>
  </head>
  <body>
    <div id="maincontent">
      <p id="first">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
      </p>
      <p class="withstyle">
        Fusce velit. Integer sapien enim, rhoncus vitae, cursus non, commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum hendrerit turpis.
      </p>
      <p class="warn">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
      </p>
      <p>
        Lorem ipsum dolor sit amet,<span class="warn">consectetur adipiscing elit</span>. Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
      </p>
    </div>
    <div id="footer">
      <p class="warn">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
      </p>
    </div>
  </body>
</html>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Fusce velit. Integer sapien enim, rhoncus vitae, cursus non, commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum hendrerit turpis.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

```
p {
  background-color: white;
  color: black;
}

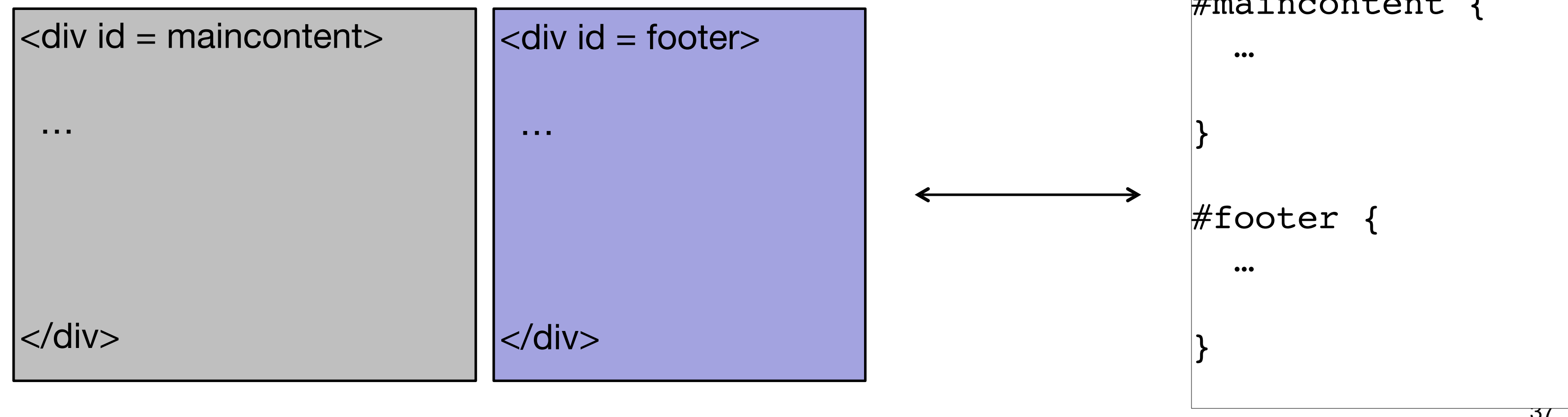
.withstyle {
  background-color: olive;
  color: navy;
}

.warn {
  background-color: yellow;
  color: red;
}

#first {
  background-color: green;
  color: red;
}
```

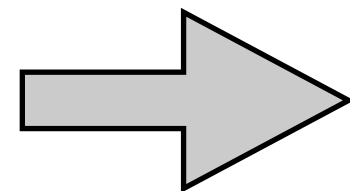
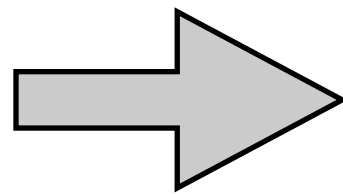
Using Divs to define Regions of a Page

- Use DIV elements as containers, one for the main content and one for the left content
- Allocate an ID to each of these divs
- Create CSS rules for each DIVs




```
<!DOCTYPE html>
<html>
  <head>
    <title> Sample for topic 03 </title>
    <link rel="stylesheet" href="style.css" type="text/css"/>
  </head>
  <body>
    <div id="maincontent">
      <p id="first">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci
        nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
      </p>
      <p class="withstyle">
        Fusce velit. Integer sapien enim, rhoncus vitae, cursus non,
        commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum
        hendrerit turpis.
      </p>
      <p class="warn">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
        sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
        velit at orci.
      </p>
      <p>
        Lorem ipsum dolor sit amet,<span class="warn">consectetur adipiscing elit</span>.
        Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis
        enim velit at orci.
      </p>
    </div>
    <div id="footer">
      <p class="warn">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
        sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
        velit at orci.
      </p>
    </div>
  </body>
</html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <title> Sample for topic 03 </title>
    <link rel="stylesheet" href="style.css" type="text/css"/>
  </head>
  <body>
    <div id="maincontent">
      <p id="first">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci
        nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
      </p>
      <p class="withstyle">
        Fusce velit. Integer sapien enim, rhoncus vitae, cursus non,
        commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum
        hendrerit turpis.
      </p>
      <p class="warn">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
        sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
        velit at orci.
      </p>
      <p>
        Lorem ipsum dolor sit amet,<span class="warn">consectetur adipiscing elit</span>.
        Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis
        enim velit at orci.
      </p>
    </div>
    <div id="footer">
      <p class="warn">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras
        sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim
        velit at orci.
      </p>
    </div>
  </body>
</html>
```



Classes, IDs & Divs in Action

```
<div id="maincontent">
  <p id="first">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
  <p class="withstyle">
    Fusce velit. Integer sapien enim, rhoncus vitae, cursus non, commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum hendrerit turpis.
  </p>
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
  <p>
    Lorem ipsum dolor sit amet, <span class="warn">consectetur adipiscing elit</span>. Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
</div>
<div id="footer">
  <p class="warn">
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.
  </p>
</div>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Fusce velit. Integer sapien enim, rhoncus vitae, cursus non, commodo vitae, felis. Nulla convallis ante sit amet urna. Maecenas condimentum hendrerit turpis.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec acilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras sollicitudin, orci nec facilisis vehicula, neque urna porta risus, ut sagittis enim velit at orci.

```
p {
  background-color: white;
  color: black;
}

.withstyle {
  background-color: olive;
  color: navy;
}

.warn {
  background-color: yellow;
  color: red;
}

#first {
  background-color: green;
  color: red;
}

#maincontent {
  border-style: solid;
  border-width: 2px;
}

#footer {
  border-style: dashed;
  border-color: red;
  border-width: 2px;
}
```