



#### ICT-Start – Session 01

# Module 2: Creating static web pages using HTML5 and CSS3

**G) CSS Combinators** 

December 2022











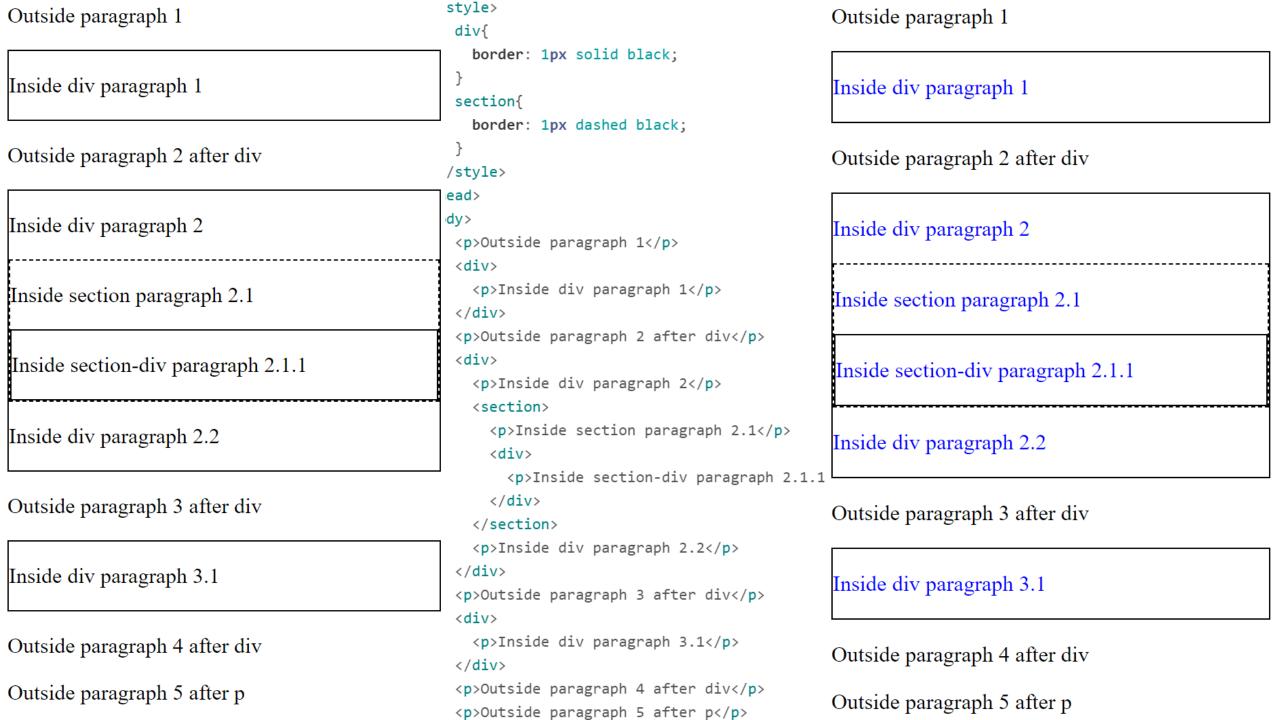




Apply a blue color to all the inside paragraphs.









## **CSS Combinat**

- Apply a blue color to all the inside paragraphs.
- Descendent selector space
  - div p {}

```
Outside paragraph 1
```

Inside div paragraph 1

Outside paragraph 2 after div

```
Inside div paragraph 2
```

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

```
Inside div paragraph 3.1
```

Outside paragraph 4 after div

```
Outside paragraph 5 after p
```

```
<style>
   div{
     border: 1px solid black;
   section{
     border: 1px dashed black;
   div p{
     color: blue;
 </style>
</head>
<body>
   Outside paragraph 1
   <div>
     Inside div paragraph 1
   </div>
   Outside paragraph 2 after div
   <div>
     Inside div paragraph 2
     <section>
       Inside section paragraph 2.1
       <div>
        Inside section-div paragraph 2.1.1
       </div>
     </section>
     Inside div paragraph 2.2
   </div>
   Outside paragraph 3 after div
   <div>
     Inside div paragraph 3.1
   </div>
   Outside paragraph 4 after div
   Outside paragraph 5 after p
</body>
```







 Apply an *italic* font style to all the paragraphs inside a section element.





```
<style>
                                                                                               Outside paragraph 1
Outside paragraph 1
                                                       div{
                                                        border: 1px solid black;
                                                                                               Inside div paragraph 1
                                                       section{
Inside div paragraph 1
                                                        border: 1px dashed black;
                                                       div p{
                                                                                               Outside paragraph 2 after div
Outside paragraph 2 after div
                                                         color: blue;
                                                     </style>
                                                                                               Inside div paragraph 2
Inside div paragraph 2
                                                    </head>
                                                    <body>
                                                       Outside paragraph 1
                                                                                               Inside section paragraph 2.1
                                                       <div>
Inside section paragraph 2.1
                                                         Inside div paragraph 1
                                                       </div>
                                                       Outside paragraph 2 after div
                                                                                               Inside section-div paragraph 2.1.1
Inside section-div paragraph 2.1.1
                                                       <div>
                                                         Inside div paragraph 2
                                                         <section>
                                                                                               Inside div paragraph 2.2
                                                          Inside section paragraph 2.1
Inside div paragraph 2.2
                                                          <div>
                                                            Inside section-div paragraph 2.1.1
                                                          </div>
                                                                                               Outside paragraph 3 after div
Outside paragraph 3 after div
                                                         </section>
                                                         Inside div paragraph 2.2
                                                       </div>
                                                                                               Inside div paragraph 3.1
                                                       Outside paragraph 3 after div
Inside div paragraph 3.1
                                                       <div>
                                                         Inside div paragraph 3.1
                                                                                               Outside paragraph 4 after div
                                                       </div>
Outside paragraph 4 after div
                                                       Outside paragraph 4 after div
                                                       Outside paragraph 5 after p
                                                                                               Outside paragraph 5 after p
Outside paragraph 5 after p
                                                   </body>
```

```
Outside paragraph 1
                                                        <style>
Outside paragraph 1
                                                          div{
                                                           border: 1px solid black;
                                                                                                  Inside div paragraph 1
                                                         section{
Inside div paragraph 1
                                                           border: 1px dashed black;
                                                         div p{
                                                                                                  Outside paragraph 2 after div
Outside paragraph 2 after div
                                                           color: blue;
                                                         section p{
                                                           font-style: italic;
                                                                                                  Inside div paragraph 2
Inside div paragraph 2
                                                        </style>
                                                      </head>
                                                                                                  Inside section paragraph 2.1
                                                      <body>
Inside section paragraph 2.1
                                                         Outside paragraph 1
                                                          <div>
                                                           Inside div paragraph 1
                                                                                                  Inside section-div paragraph 2.1.1
Inside section-div paragraph 2.1.1
                                                          </div>
                                                         Outside paragraph 2 after div
                                                          <div>
                                                           Inside div paragraph 2
                                                                                                  Inside div paragraph 2.2
Inside div paragraph 2.2
                                                           <section>
                                                             Inside section paragraph 2.1
                                                              Inside section-div paragraph 2.1.1 Outside paragraph 3 after div
Outside paragraph 3 after div
                                                             </div>
                                                           </section>
                                                           Inside div paragraph 2.2
                                                                                                  Inside div paragraph 3.1
                                                          </div>
Inside div paragraph 3.1
                                                         Outside paragraph 3 after div
                                                          <div>
                                                           Inside div paragraph 3.1
                                                                                                  Outside paragraph 4 after div
Outside paragraph 4 after div
                                                          </div>
                                                         Outside paragraph 4 after div
                                                                                                  Outside paragraph 5 after p
                                                         Outside paragraph 5 after p
Outside paragraph 5 after p
```





Apply a red color to all outside paragraphs





```
<style>
Outside paragraph 1
                                                          div{
                                                                                                   Outside paragraph 1
                                                            border: 1px solid black;
Inside div paragraph 1
                                                          section{
                                                            border: 1px dashed black;
                                                                                                   Inside div paragraph 1
                                                          div p{
Outside paragraph 2 after div
                                                            color: blue;
                                                                                                   Outside paragraph 2 after div
                                                          section p{
                                                            font-style: italic;
Inside div paragraph 2
                                                                                                   Inside div paragraph 2
                                                         </style>
                                                       </head>
Inside section paragraph 2.1
                                                       <body>
                                                                                                   Inside section paragraph 2.1
                                                          Outside paragraph 1
                                                          <div>
                                                            Inside div paragraph 1
Inside section-div paragraph 2.1.1
                                                          </div>
                                                                                                   Inside section-div paragraph 2.1.1
                                                          Outside paragraph 2 after div
                                                          <div>
                                                            Inside div paragraph 2
Inside div paragraph 2.2
                                                            <section>
                                                                                                   Inside div paragraph 2.2
                                                              Inside section paragraph 2.1
                                                              <div>
                                                               Inside section-div paragraph 2.1.1
Outside paragraph 3 after div
                                                                                                   Outside paragraph 3 after div
                                                              </div>
                                                            </section>
                                                            Inside div paragraph 2.2
Inside div paragraph 3.1
                                                          </div>
                                                                                                   Inside div paragraph 3.1
                                                          Outside paragraph 3 after div
                                                          <div>
                                                            Inside div paragraph 3.1
Outside paragraph 4 after div
                                                                                                   Outside paragraph 4 after div
                                                          </div>
                                                          Outside paragraph 4 after div
                                                          Outside paragraph 5 after p
Outside paragraph 5 after p
                                                                                                   Outside paragraph 5 after p
                                                       </body>
```



- Apply a red color to all outside paragraphs
- child selector >
  - body > p {}

```
Outside paragraph 1
```

Inside div paragraph 1

Outside paragraph 2 after div

```
Inside div paragraph 2
```

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div

```
<style>
  div{
    border: 1px solid black;
  section{
    border: 1px dashed black;
  div p{
    color: blue;
  section p{
    font-style: italic;
  body > p{
    color: red;
</style>
:/head>
:body>
  Outside paragraph 1
  <div>
    Inside div paragraph 1
  </div>
  Outside paragraph 2 after div
  <div>
    Inside div paragraph 2
    <section>
      Inside section paragraph 2.1
       Inside section-div paragraph 2.1.1
      </div>
    </section>
    Inside div paragraph 2.2
  </div>
  Outside paragraph 3 after div
  <div>
    Inside div paragraph 3.1
  </div>
  Outside paragraph 4 after div
  Outside paragraph 5 after p
```







 Apply a black color and a font size of 10px to the first paragraph after each div-block





Outside paragraph 2 after div

Inside div paragraph 2

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div

Outside paragraph 5 after p

```
<style>
  div{
    border: 1px solid black;
  section{
    border: 1px dashed black;
  div p{
    color: blue;
  section p{
    font-style: italic;
  body > p{
    color: red;
</style>
/head>
:body>
  Outside paragraph 1
  <div>
    Inside div paragraph 1
  </div>
  Outside paragraph 2 after div
  <div>
    Inside div paragraph 2
    <section>
      Inside section paragraph 2.1
       Inside section-div paragraph 2.1.1
      </div>
    </section>
    Inside div paragraph 2.2
  </div>
  Outside paragraph 3 after div
  <div>
    Inside div paragraph 3.1
  </div>
  Outside paragraph 4 after div
  Outside paragraph 5 after p
```



#### Outside paragraph 1

Inside div paragraph 1

Outside paragraph 2 after div

Inside div paragraph 2

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div





- Apply a black color and a font size of 10px to the first paragraph after each div-block
- Adjacent sibling selector +
  - div + p {}

```
Outside paragraph 1
```

Inside div paragraph 1

Outside paragraph 2 after div

```
Inside div paragraph 2
```

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div

```
> dlh.lu
```

```
<style>
   div{
     border: 1px solid black;
   section{
     border: 1px dashed black;
   div p{
     color: blue;
   section p{
     font-style: italic;
   body > p{
     color: red;
   div + p{
     color: black;
     font-size: 10px;
 </style>
</head>
<body>
   Outside paragraph 1
     Inside div paragraph 1
   Outside paragraph 2 after div
     Inside div paragraph 2
     <section>
       Inside section paragraph 2.1
         Inside section-div paragraph 2.1.1
       </div>
     </section>
     Inside div paragraph 2.2
   </div>
   Outside paragraph 3 after div
     Inside div paragraph 3.1
   </div>
   Outside paragraph 4 after div
   Outside paragraph 5 after p
```





 Apply a black color and a font size of 10px to all the paragraphs directly following each div-block





#### Outside paragraph 1

Inside div paragraph 1

Outside paragraph 2 after div

Inside div paragraph 2

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div

Outside paragraph 5 after p



```
<style>
   div{
     border: 1px solid black;
   section{
     border: 1px dashed black;
   div p{
     color: blue;
   section p{
     font-style: italic;
   body > p{
     color: red;
   div + p{
     color: black;
     font-size: 10px;
 </style>
</head>
<body>
   Outside paragraph 1
   <div>
     Inside div paragraph 1
   </div>
   Outside paragraph 2 after div
   <div>
     Inside div paragraph 2
     <section>
       Inside section paragraph 2.1
        Inside section-div paragraph 2.1.1
      </div>
     </section>
     Inside div paragraph 2.2
   </div>
   Outside paragraph 3 after div
     Inside div paragraph 3.1
   </div>
   Outside paragraph 4 after div
   Outside paragraph 5 after p
```



#### Outside paragraph 1

Inside div paragraph 1

Outside paragraph 2 after div

Inside div paragraph 2

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div





- Apply a black color and a font size of 10px to all the paragraphs directly following each div-block
- General sibling selector ~
  - div ~ p {}

#### Outside paragraph 1

Inside div paragraph 1

Outside paragraph 2 after div

```
Inside div paragraph 2
```

Inside section paragraph 2.1

Inside section-div paragraph 2.1.1

Inside div paragraph 2.2

Outside paragraph 3 after div

Inside div paragraph 3.1

Outside paragraph 4 after div

```
<style>
    border: 1px solid black;
  section{
    border: 1px dashed black;
  div p{
    color: blue;
  section p{
    font-style: italic;
  body > p{
    color: red;
  div ~ p{
    color: black;
    font-size: 10px;
/head>
body>
  Outside paragraph 1
  <div>
    Inside div paragraph 1
  </div>
  Outside paragraph 2 after div
  <div>
    Inside div paragraph 2
    <section>
      Inside section paragraph 2.1
       Inside section-div paragraph 2.1.1
      </div>
    </section>
    Inside div paragraph 2.2
  </div>
  Outside paragraph 3 after div
  <div>
    Inside div paragraph 3.1
  Outside paragraph 4 after div
  Outside paragraph 5 after p
/body>
```





```
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Innovative and fast learning hub

for creative tech lovers
```





# Exercices

