

# HTML & CSS

## A Separation of Concerns

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### 1. Separation of concerns

In computer science, **separation of concerns** (SoC) is a design principle for **separating** a computer program into distinct sections, such that each section addresses a separate **concern**. A **concern** is a set of information that affects the code of a computer program.

[Separation of concerns - Wikipedia, the free encyclopedia](https://en.wikipedia.org/wiki/Separation_of_concerns)

[https://en.wikipedia.org/wiki/Separation\\_of\\_concerns](https://en.wikipedia.org/wiki/Separation_of_concerns) Wikipedia ▼

# HTML & CSS

## A Separation of Concerns

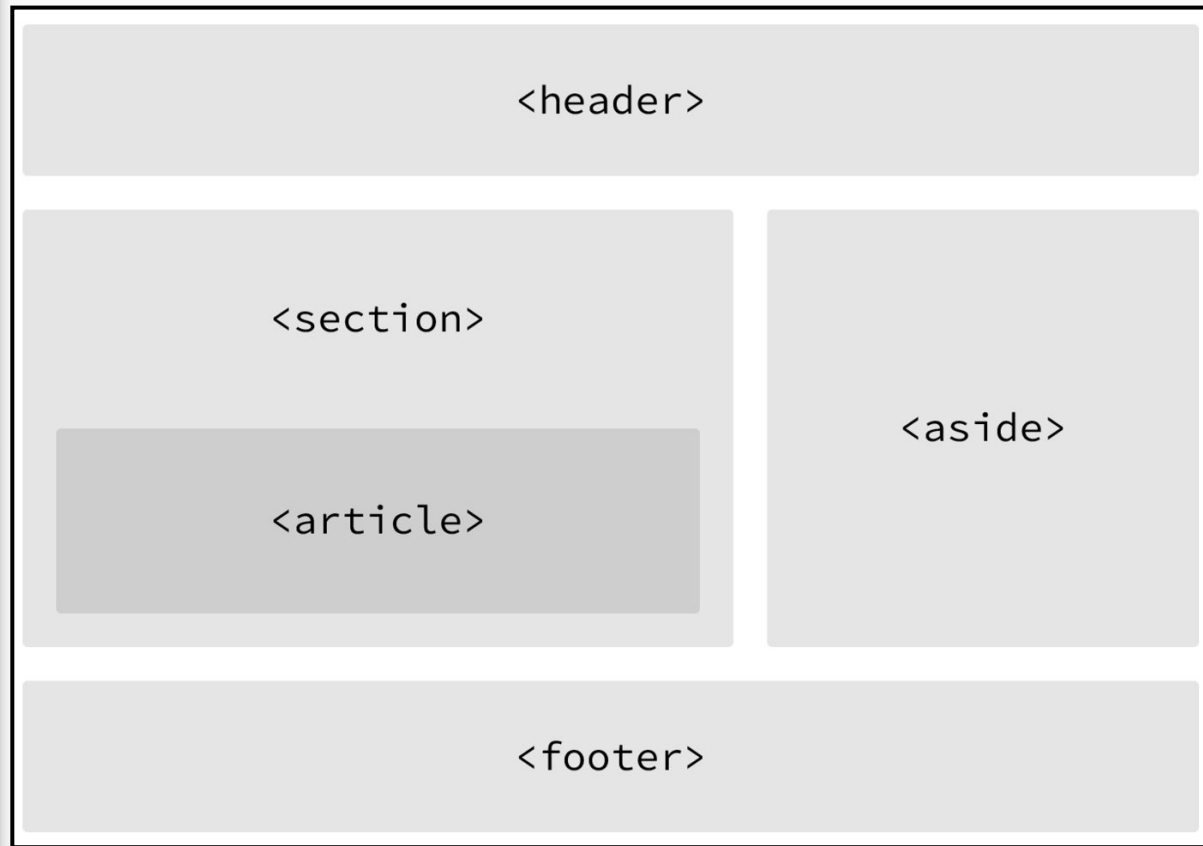
1. Separation of concerns

HTML	→	structure
CSS	→	formatting
JS	→	functionality

# HTML & CSS

## A Separation of Concerns

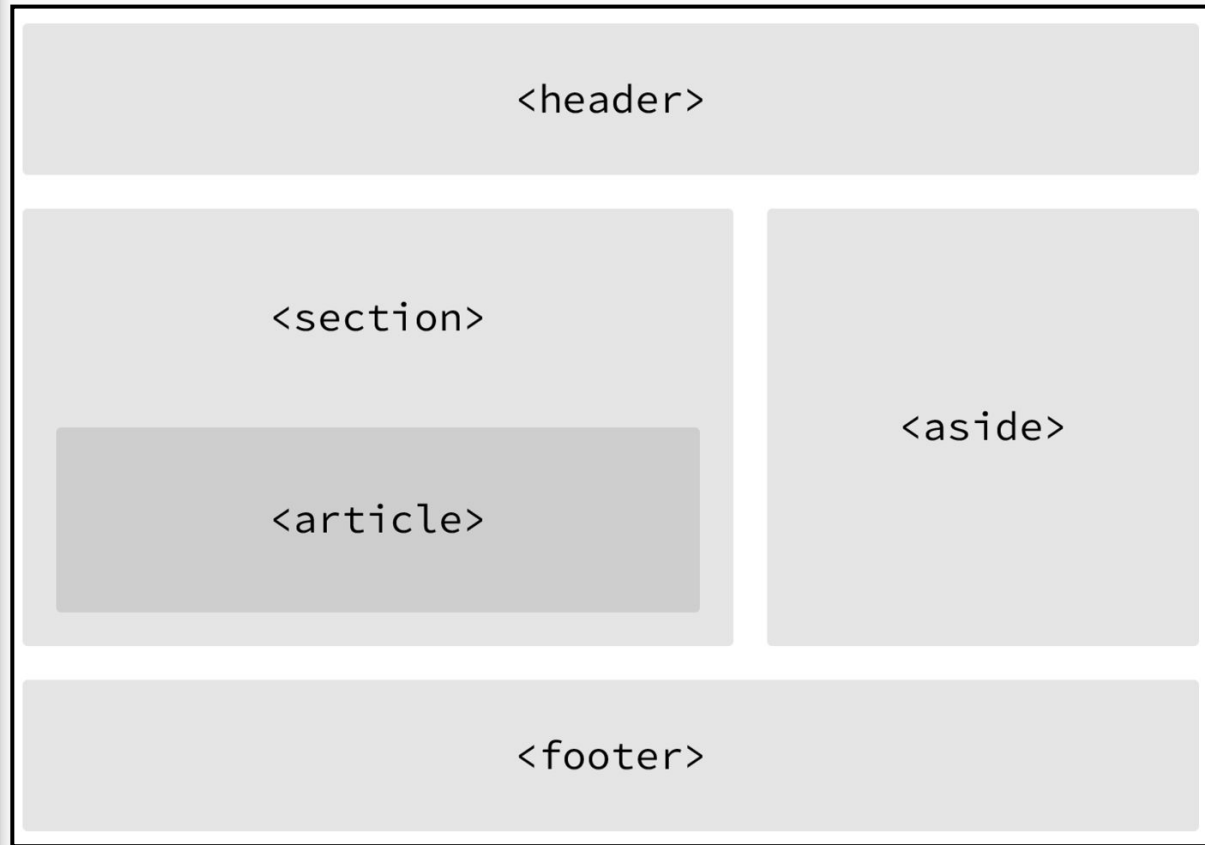
1. Separation of concerns
2. **HTML - the structure**



# HTML & CSS

## A Separation of Concerns


1. Separation of concerns
2. **HTML - the structure**
  - a. semantic HTML



# HTML & CSS

## A Separation of Concerns

1. Separation of concerns
2. HTML - the structure
  - a. semantic HTML


```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Title</title>
6  </head>
7  <body>
8      
9  <header></header>
10
11 <section>
12     <article></article>
13 </section>
14
15 <aside></aside>
16
17 <footer></footer>
18
19 </body>
20 </html>
```

File:  
002\_separation-of-concerns

# HTML & CSS

## A Separation of Concerns

1. Separation of concerns
2. HTML - the structure
  - a. semantic HTML
  - b. avoid div-itis

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <titletitle>
6  </head>
7  <body>
8      
9  <div></div>
10
11  <div>
12      <div></div>
13  </div>
14
15  <div></div>
16
17  <div></div>
18
19  </body>
20  </html>
```

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002\_separation-of-concerns

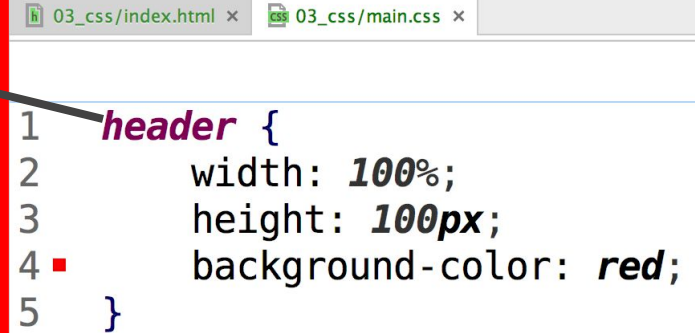
# HTML & CSS

## A Separation of Concerns

1. Separation of concerns
2. HTML - the structure
  - a. semantic HTML
  - b. avoid div-itis
3. CSS - the formatting

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Title</title>
6   <link rel="stylesheet" href="main.css">
7 </head>
8 <body>
9
10 <header></header>
11
12 <section>
13   <article></article>
14 </section>
15
16 <aside></aside>
17
18 <footer></footer>
19
20 </body>
21 </html>
```

File:  
002\_separation-of-concerns



```
1 header {
2   width: 100%;
3   height: 100px;
4   background-color: red;
5 }
```



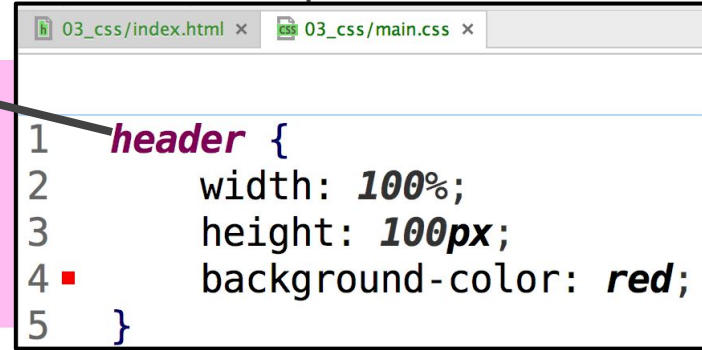
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  - a. semantic HTML
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