



前端網絡開發人員證書

2. Introduction to HTML II

Presented by Krystal Educational Platform



Contents



2.1 Revise

2.2 What is body?

2.3 Common tags

2.4 Exercise



2.1 Revise

2.1 Revise



- What is head?
- Can you name any tags in head?
- What is attribute?
- Can you name any tags along with attribute?



2.2 What is body?

2.2 What is body?



- Placed after <head>
- Contains all the contents

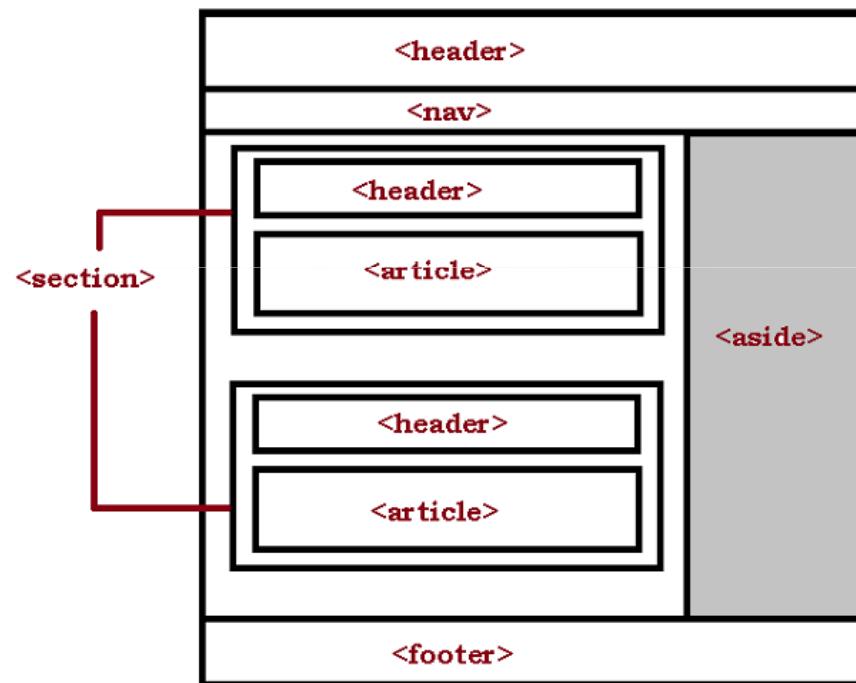
```
<body>
  <p>Today we will continue to learn about HTML, including:<br>
    Header;<br>
    Footer;<br>
    Common tags.</p>
</body>
```

Today we will continue to learn about HTML, including:
Header;
Footer;
Common tags.

2.2.1 Body structure



- Header: <header>
- Navigation bar: <nav>
- Main content: <main>
 - Section: <section>
 - Article: <article>
- Sidebar: <aside>
- Footer: <footer>



2.2.2 Header



- Usually contains:
 - Heading elements (<h1> - <h6>)
 - Logo or icon
 - Authorship information

```
<!-- Header -->
<header>
  <h1>Heading 1</h1>
  <h2>Heading 2</h2>
  <h3>Heading 3</h3>
  <h4>Heading 4</h4>
  <h5>Heading 5</h5>
  <h6>Heading 6</h6>
</header>
```

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

2.2.3 Navigation bar



- Defines navigation links

```
<body>
  <!-- Header -->
  <header>
    <h1>2nd Lesson</h1>
    <h2>Presented by Krystal Institute</h2>
  </header>
  <!-- Navigation bar -->
  <nav>
    <a href="https://www.google.com.hk/">Google</a>
    <a href="https://hk.yahoo.com/">Yahoo</a>
  </nav>
```

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[Google](https://www.google.com.hk/) [Yahoo](https://hk.yahoo.com/)

2.2.4 Main content: Article & Section



- Section: To group contents
 - Article: A self-contained composition (e.g. blog entry, forum post)
- id attribute
 - Specifies a unique id for an HTML element

```
</nav>
<main>
    <!-- Company Information --&gt;
    &lt;section id="companyInfo"&gt;
        &lt;header&gt;
            &lt;h3&gt;Company Information&lt;/h3&gt;
        &lt;/header&gt;
        &lt;article&gt;
            &lt;p&gt;Krystal Institute is a research institution&lt;/p&gt;
        &lt;/article&gt;
    &lt;/section&gt;</pre>
```

Company Information

Krystal Institute is a research institution

2.2.4 Main content: Try on your own



- Try to add another section called “searchEngine” under “companyInfo”
 - With 2 articles
 1. Google
 2. Yahoo

Krystal Institute is a research institution that aims to empower

Search Engines

Google

Google is.....

Yahoo

Yahoo is.....

2.2.4 Main content: Article & Section



- Suggested example:

```
</section>
<!-- Search Engines -->
<section id="searchEngines">
  <header>
    <h3>Search Engines</h3>
  </header>
  <article>
    <h4>Google</h4>
    <p>Google is.....</p>
  </article>
  <article>
    <h4>Yahoo</h4>
    <p>Yahoo is.....</p>
  </article>
</section>
</main>
```

2.2.5 Main content: Sidebar



- Without style, it displays like a normal paragraph

```
</section>
<!-- Sidebar -->
<aside>
    <p>Note: Sidebar should be related to the main content</p>
</aside>
<p>Placement of texts after sidebar will be affected. Krystal I...
</main>
```

Yahoo! (/ja:hū:/, styled as yahoo!)[6][7] is an American web services company managed by Apollo Global Management.

Note: Sidebar should be related to the main content

Placement of texts after sidebar will be affected. Krystal Institute is a public organization that promotes public knowledge essential to excellence in the field of technology.



2.2.5 Main content: Sidebar



- With style

```
<style>
  aside {
    width: 10%;
    background-color: #darkgray;
    float: right;
  }
</style>
</head>
```

sale to investment funds

gital
chnology

Note: Sidebar
should be related to
the main content

2.2.6 Footer



- Usually contains:
- Authorship information
- Copyright information
- Contact information
- Sitemap
- Back to top links
- Related documents

```
</main>
<footer>
    
    <div style="text-align: center;">@ 2021 Copyright: Krystal Institute</div>
</footer>
</body>
```

@ 2021 Copyright: Krystal Institute

2.2.7 Final result



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[Google](#) [Yahoo](#)

Company Information

Krystal Institute is a research institution that aims to empower the people, provide upward mobility, and bridge the digital divide.

Search Engines

Google

Google is.....

Yahoo

Yahoo! (/'ja:hu:/, styled as yahoo!)[6][7] is an American web services provider. It is headquartered in Sunnyvale, California and is owned by Verizon Media, pending sale to investment funds managed by Apollo Global Management.

Placement of texts after sidebar will be affected. Krystal Institute is a research institution that aims to empower the people, provide upward mobility, and bridge the digital divide. We educate the public on knowledge essential to excellence in the digital economy. We empower students by nurturing creativity and providing open-source technology that enables them to capitalize on conceptual knowledge. We are the enabling force behind the 4th Industrial Revolution.

Note: Sidebar should be related to the main content



2.3 Common tags

2.3 Common tags



- Styling: <div>,
- Break line:

- Paragraph: <p>
- Hyperlink: <a>
- Time: <time>
- Formatting: , , <i>, , <mark>, <small>, , <ins>, <sub>, <sup>
- List: , , <dl>
- Quotation: <blockquote>, <q>

2.3 Common tags



- Address: <address>
- Bi-Directional Override: <bdo>
- Horizontal rule: <hr>
- Meter: <meter>
- Progress: <progress>
- Word break opportunity: <wbr>

2.3.1 Hyperlink: <a>



- Link

- The most simple format: `Google` [Google](https://www.google.com.hk/)
- Target attribute (Commonly used):
 - _blank - Opens in a new window or tab

```
<a href="https://www.google.com/" target="_blank">Google _blank</a>
```

[Google _blank](https://www.google.com/)

- Bookmark

- Jump to where the #id is

```
<section id="companyInfo">
```

```
<a href="#companyInfo">Back to Company Information</a>
```

[Back to Company Information](#companyInfo)

2.3.2 Time: <time>



- **datetime attribute**
 - Translates the time into a machine-readable format

```
<!-- Time -->
<time datetime="12:00">12:00</time>
<time datetime="2021-05-11 15:00">Today</time>
```

12:00 Today

2.3.3 Formatting



```
<!-- Formatting -->  
<p>Normal</p>
```

Normal

- `Bold` Bold
- `Strong` Strong
- `<i>Italic</i>` Italic
- `Emphasized` Emphasized
- `<mark>Highlight</mark>` Highlight
- `<small>Small</small>` Small
- `Deleted` Deleted
- `<ins>Inserted</ins>` Inserted
- `_{Subscript}` Normal Subscript
- `^{Superscript}` Normal Superscript

2.3.4 List



- Unordered list:

```
<!-- List -->
<ul>
    <li>List item 1</li>
    <li>List item 2</li>
</ul>
```

- List item 1
- List item 2

2.3.4 List



- Ordered list:

```
<ol>
  <li>List item 1</li>
  <li>List item 2</li>
</ol>
```

1. List item 1
2. List item 2

2.3.4 List



- Data list: <dl>

```
<dl>
  <dt>Data Table 1</dt>
  <dd>Data</dd>
  <dt>Data Table 2</dt>
  <dd>Data</dd>
</dl>
```

Data Table 1
Data
Data Table 2
Data

2.3.4 List



- Data value: <data>
- Adds a machine-readable translation of a given content

```
<!-- List -->
<ul>
  <li><data value="001">List item 1</data></li>
  <li><data value="002">List item 2</data></li>
</ul>
```

- List item 1
- List item 2

2.3.5 Quotation



- Block quotation: <blockquote>

```
<!-- Quotation -->
<p>Quoted from Wikipedia:</p>
<blockquote cite="https://en.wikipedia.org/wiki/Quotation">
    A quotation is the repetition of a sentence, phrase, or p
</blockquote>
```

Quoted from Wikipedia:

A quotation is the repetition of something that a speaker a

- Inline quotation: <q>

```
<p>Shakespeare: <q>To be, or not to be, that is the question.</q></p>
```

Shakespeare: "To be, or not to be, that is the question."

2.3.5 Quotation



- Cite: <cite>
 - Defines the title of a creative work
 - E.g. a book, a poem, a song

```
<p><cite>Love Story</cite> by Taylor Swift<br>We were both young when I first saw you</p>
```

Love Story by Taylor Swift
We were both young when I first saw you

2.3.6 Address



- Defines contact information

```
<!-- Address -->
<address>
| Written by <a href="mailto:bjenny122@gmail.com">Choco Lau</a><br>
| Visit us at:<br>
| <a href="https://www.krystal.institute/">Krystal Institue</a><br>
| 1/F, HKPC Building, 78 Tat Chee Ave, Kowloon Tong<br>
| Hong Kong
</address>
```

Written by Choco Lau

Visit us at:

Krystal Institue

1/F, HKPC Building, 78 Tat Chee Ave, Kowloon Tong

Hong Kong



2.3.7 Bi-directional override



- Bi-directional override: <bdo>
 - Specifies the text direction

```
<!-- BDO -->
<bdo dir="rtl">
| This text will go from right to left.
</bdo>
```

.tfel ot thgir morf og lliw txet sihT

2.3.8 Horizontal rule



- Horizontal rule: <hr>
 - Used to separate content

```
<!-- Horizontal rule -->
<p>Horizontal rule</p>
<hr>
```

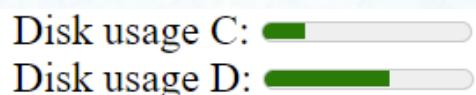
Horizontal rule

2.3.9 Meter



- Meter: <meter>
 - Defines a scalar measurement within a known range, or a fractional value
 - E.g. Disk usage, the relevance of a query result

```
<!-- Meter -->
<label for="disk_c">Disk usage C:</label>
<meter id="disk_c" value="2" min="0" max="10">2 out of 10</meter><br>
<label for="disk_d">Disk usage D:</label>
<meter id="disk_d" value="0.6">60%</meter>
```

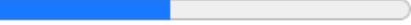


2.3.10 Progress



- Progress: <progress>
 - Represents the completion progress of a task

```
<!-- Progress -->
<label for="file">Downloading progress:</label>
<progress id="file" value="43" max="100"> 43% </progress>
```

Downloading progress: 

2.3.11 Word break opportunity



- Word break opportunity: <wbr>
 - Specifies where in a text to add a line-break
 - If it is added, texts before <wbr> won't break lines automatically

```
<!-- Word break opportunity -->
<p>This is a normal paragraph that will break line automatically.
|   Resize the browser to see the effect.
</p>
<p>This is a veryveryveryveryveryveryveryveryveryveryveryveryveryveryverylongword.<wbr>
Resize the browser window to see the result.</p>
```

This is a normal paragraph that will break line automatically. Resize the browser to see the effect.

This is a
veryveryveryveryveryveryveryveryveryveryveryveryveryver
Resize the browser window to see the result.



2.4 Exercise



2.4 Exercise



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Open links in new tab: [Bing](#) [Google](#) [Yahoo](#) [Yandex](#)

Company Information

Krystal Institute is a research institution that aims to empower the people, provide upward mobility, and bridge the digital divide.

- [Krystal Institute](#)

Search Engines

Bing

Microsoft Bing (formerly known simply as Bing) is a web search engine owned and operated by Microsoft. The service has its origins in Microsoft's previous search engines: MSN Search, Windows Live Search and later Live Search.

Google

Google LLC is an American multinational technology company that specializes in Internet-related services and products, which include online advertising technologies, a search engine, cloud computing, software, and hardware.

Yahoo

Yahoo! (/ˈja:hū:/, styled as yahoo!) is an American web services provider. It is headquartered in Sunnyvale, California and is owned by Verizon Media, pending sale to investment funds managed by Apollo Global Management.

Note: We are using Google Chrome right now!

Yandex

Yandex N.V. (/jandeks/; Russian: Яндекс, IPA: [jandəks]) is a Russian Dutch-domiciled multinational corporation providing over 70 Internet-related products and services, including transportation, search and information services, e-commerce, navigation, mobile applications, and online advertising.

[Back to Top](#)

2.4 Exercise: Suggested answer



```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Exercise2</title>
5      <meta charset="UTF-8">
6      <meta http-equiv="refresh" content="30">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <style>
9          aside {
10              background-color: #darkgray;
11              float: right;
12          }
13      </style>
14  </head>
```

2.4 Exercise: Suggested answer



```
15 <body>
16     <!-- Header -->
17     <header>
18         <h1 id="top">2nd Lesson</h1>
19         <h2>Presented by Krystal Institute</h2>
20     </header>
21     <!-- Navigation bar -->
22     <nav>
23         <span>Open links in new tab: </span>
24         <a href="https://www.bing.com/" target="_blank">Bing</a>
25         <a href="https://www.google.com.hk/" target="_blank">Google</a>
26         <a href="https://hk.yahoo.com/" target="_blank">Yahoo</a>
27         <a href="https://yandex.com/" target="_blank">Yandex</a>
28     </nav>
```

2.4 Exercise: Suggested answer



```
29 <main>
30     <!-- Company Information -->
31     <section id="companyInfo">
32         <header>
33             <h3>Company Information</h3>
34         </header>
35         <article>
36             <p>Krystal Institute is a research institution that aims to empower the people, provide
37             </article>
38             <ul>
39                 <a href="https://www.krystal.institute/" target="_blank"><li>Krystal Institute</li></a>
40             </ul>
41     </section>
```

2.4 Exercise: Suggested answer



```
42      <!-- Search Engines -->
43      <section id="searchEngines">
44          <header>
45              <h3>Search Engines</h3>
46          </header>
47          <article>
48              <h4>Bing</h4>
49              <blockquote cite="https://en.wikipedia.org/wiki/Microsoft_Bing">Microsoft Bing (formerly known simply as Bing) is ...
50          </article>
51          <article>
52              <h4>Google</h4>
53              <blockquote cite="https://en.wikipedia.org/wiki/Google">Google LLC is an American multinational technology company ...
54          </article>
```

2.4 Exercise: Suggested answer



```
55      <!-- Sidebar -->
56      <aside>
57          <p><i><b>Note:</b> We are using Google Chrome right now!</i></p>
58      </aside>
59      <article>
60          <h4>Yahoo</h4>
61          <blockquote cite="https://en.wikipedia.org/wiki/Yahoo!">Yahoo! (/ˈja:hoo:/, styled as yahoo)
62      </article>
63      <article>
64          <h4>Yandex</h4>
65          <blockquote cite="https://en.wikipedia.org/wiki/Yandex">Yandex N.V. (/jʌndəks/; Russian: я
66      </article>
67      </section>
68  </main>
```

2.4 Exercise: Suggested answer



```
69 <footer>
70     <a href="#top">Back to Top</a>
71     <!-- copyright -->
72     <div style="text-align: center;">@ 2021 Copyright: Krystal Institute</div>
73 </footer>
74 </body>
75 </html>
```

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MC Quiz



- 10 minutes

<https://www.online-stopwatch.com/countdown/>



Reference



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