



前端網絡開發人員證書

# 9. HTML: Make your personal website

Presented by Krystal Educational Platform



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# 9.1 Revise

## 9.1 Revise



- How to make an input required?
- Can you name any tags for validations?



# 9.2 New Bootstrap elements

## 9.2 New Bootstrap elements



- Home
  - Carousel
  - Social media icons
- About me
  - Profile card
  - Progress bar
- Contact me
  - Tab
- Blog
  - Media objects



# 9.3 Home



## 9.3 Home: Open HTML file



- Open a HTML file named “Home” as the home page
- Make a good title <title>Choco Lau | Home</title>

## 9.3.1 Navigation bar



- We have learnt about <nav>, but BS4 has a better design!
- Copy the scripts and link to <head> in “Copy to head.txt” to use BS

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.1/css/all.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.5.0/font/bootstrap-icons.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
```

## 9.3.1 Navigation bar



- Add a header above <main>

```
<!-- Header -->
<header>
|   <h3>Choco Lau's Personal website</h3>
</header>
<main>
```

Choco Lau's Personal website

## 9.3.1 Navigation bar



- Visit [https://www.w3schools.com/bootstrap4/bootstrap\\_navbar.asp](https://www.w3schools.com/bootstrap4/bootstrap_navbar.asp)
- Copy the codes in “Navbar With Dropdown” and paste between <header> & <main>

### Navbar With Dropdown

Logo Link 1 Link 2 Dropdown link ▾

Navbars can also hold dropdown menus:

#### Example

```
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
  <!-- Brand -->
  <a class="navbar-brand" href="#">Logo</a>
  <!-- Links -->
```

## 9.3.1 Navigation bar



- Make some changes in the indentations and names
- Link “Logo” & “Home” to “Home.html”

```
<!-- Navbar -->
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
  <!-- Brand -->
  <a class="navbar-brand" href="Home.html">Logo</a>
  <!-- Links -->
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="Home.html">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Blog</a>
    </li>
    <!-- Dropdown -->
    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown">About</a>
      <div class="dropdown-menu">
        <a class="dropdown-item" href="#">About me</a>
        <a class="dropdown-item" href="#">Contact me</a>
      </div>
    </li>
  </ul>
</nav>
```

## Choco Lau's Personal website

Logo Home Blog About ▾

About me

Contact me

## 9.3.2 Carousel



- Visit  
[https://www.w3schools.com/bootstrap4/bootstrap\\_carousel.asp](https://www.w3schools.com/bootstrap4/bootstrap_carousel.asp)
- Copy the codes in “How To Create a Carousel” and paste under <nav>

### How To Create a Carousel

The following example shows how to create a basic carousel with indicators and controls:

#### Example

```
<div id="demo" class="carousel slide" data-ride="carousel">

    <!-- Indicators -->
    <ul class="carousel-indicators">
        <li data-target="#demo" data-slide-to="0" class="active"></li>
        <li data-target="#demo" data-slide-to="1"></li>
        <li data-target="#demo" data-slide-to="2"></li>
    </ul>

    <!-- The slideshow -->
```

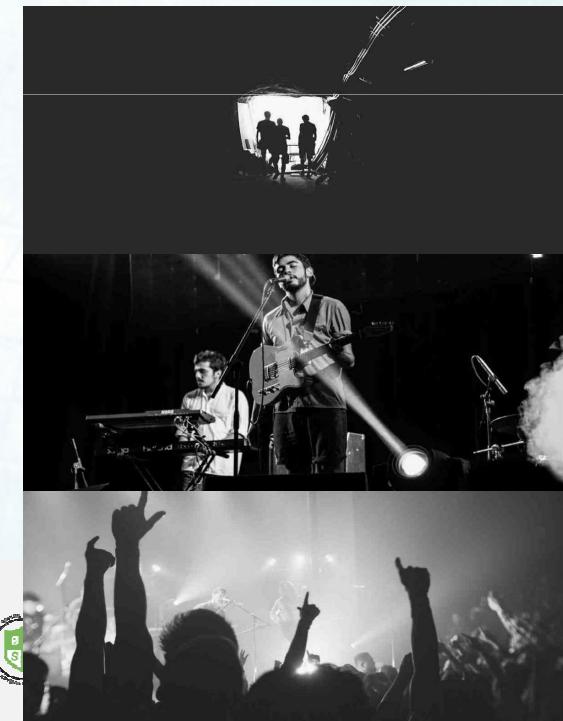
## 9.3.2 Carousel



- Save the 3 images under “Bootstrap 4 Carousel” to an image folder

### Bootstrap 4 Carousel

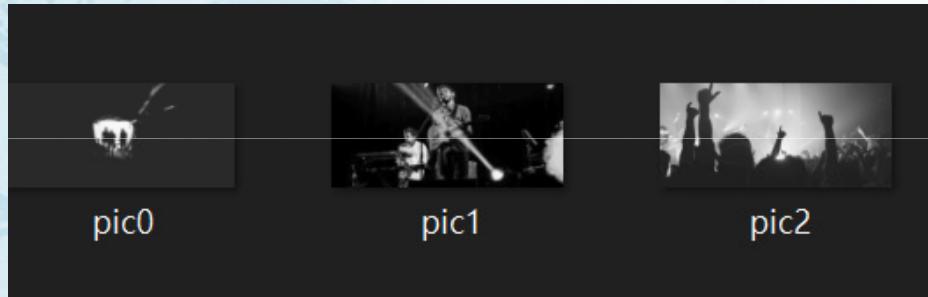
The Carousel is a slideshow for cycling through elements.



## 9.3.2 Carousel



- Image folder

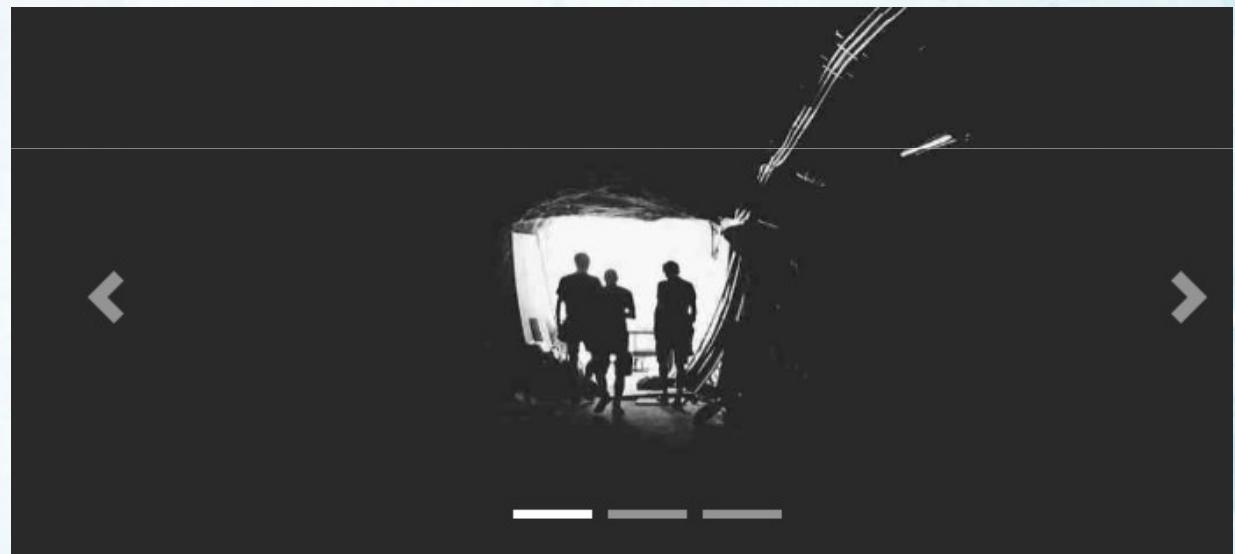


## 9.3.2 Carousel: Style



- Add style in <head> to make the carousel fully responsive

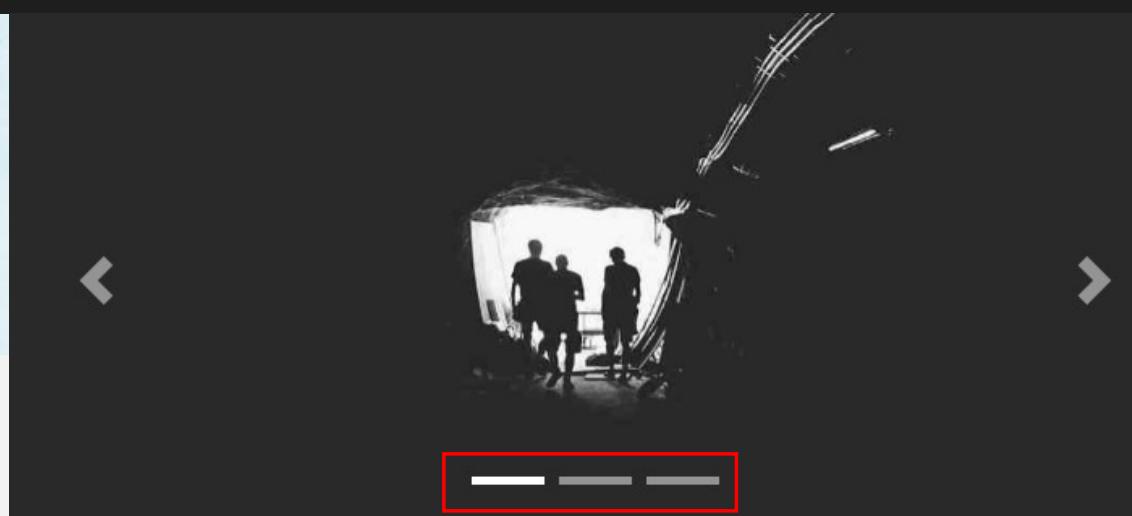
```
<style>
  .carousel-inner img {
    width: 100%;
    height: 100%;
  }
</style>
```



## 9.3.2 Carousel: Indicators



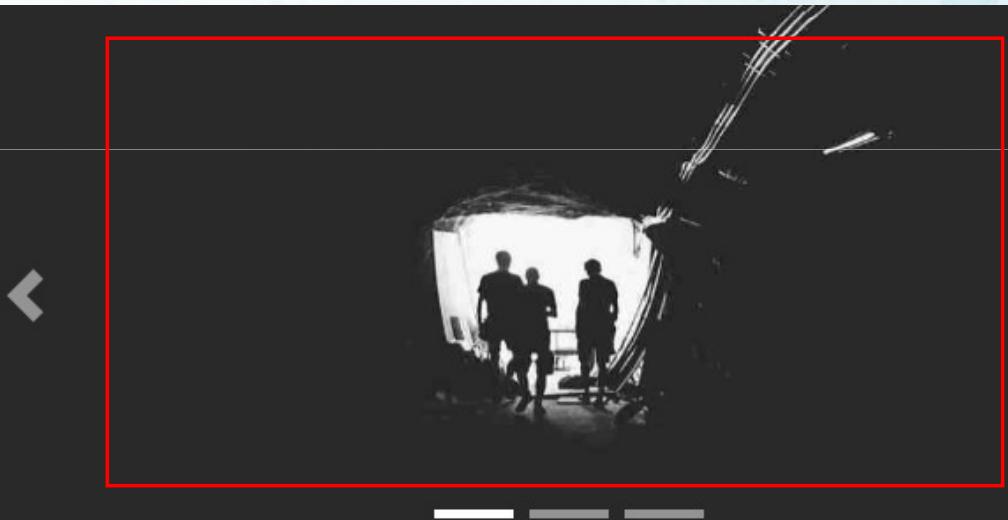
```
<!-- Carousel -->
<div id="demo" class="carousel slide" data-ride="carousel">
    <!-- Indicators -->
    <ul class="carousel-indicators">
        <li data-target="#demo" data-slide-to="0" class="active"></li>
        <li data-target="#demo" data-slide-to="1"></li>
        <li data-target="#demo" data-slide-to="2"></li>
    </ul>
```



## 9.3.2 Carousel: Slideshow



```
<!-- The slideshow -->
<div class="carousel-inner">
  <div class="carousel-item active">
    
  </div>
  <div class="carousel-item">
    
  </div>
  <div class="carousel-item">
    
  </div>
</div>
```



## 9.3.2 Carousel: Controls

```
<!-- Left and right controls -->
<a class="carousel-control-prev" href="#demo" data-slide="prev">
  <span class="carousel-control-prev-icon"></span>
</a>
<a class="carousel-control-next" href="#demo" data-slide="next">
  <span class="carousel-control-next-icon"></span>
</a>
```



## 9.3.2 Carousel: Caption



- Add captions to carousel items

```
<div class="carousel-item active">
  
  <div class="carousel-caption">
    <h3>My friends</h3>
    <p>We are best friends!</p>
  </div>
</div>
```

```
<div class="carousel-item">
  
  <div class="carousel-caption">
    <h3>My favourite band</h3>
    <p>I really love them!</p>
  </div>
</div>
```

```
<div class="carousel-item">
  
  <div class="carousel-caption">
    <h3>My first concert</h3>
    <p>We had a great time!</p>
  </div>
</div>
```

**My friends**  
We are best friends!

**My favourite band**  
I really love them!

**My first concert**  
We had a great time!

### 9.3.3 Social media: Title



- Add a <div> under carousel for the social media title
- .py-3: y-axis padding 3

```
<!-- Social media -->
<div class="text-center py-4">
    <strong><i>My social media</i></strong>
</div>
```

*My social media*

### 9.3.3 Social media: Icons



- Add another `<div>` under it for social media icons

```
<div class="text-center pb-3">
  <!-- Facebook -->
  <span class="px-4">
    <a style="color: #3b5998;" href="#" role="button"><i class="fab fa-facebook-f fa-lg"></i></a>
  </span>
  <!-- Instagram -->
  <span class="px-4">
    <a style="color: #ac2bac;" href="#" role="button"><i class="fab fa-instagram fa-lg"></i></a>
  </span>
  <!-- Twitter -->
  <span class="px-4">
    <a style="color: #55acee;" href="#" role="button"><i class="fab fa-twitter fa-lg"></i></a>
  </span>
</div>
```

*My social media*



### 9.3.3 Social media: Icons



- .pb-3: bottom padding 3 `<div class="text-center pb-3">`
- .px-4: x-axis padding 4 `<span class="px-4">`

## 9.3.3 Social media



- If you forgot to put this in <head>, the icons will NOT display

```
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.1/css/all.min.css" rel="stylesheet">
```

- You may replace “#” with your social media hyperlinks

```
href="#"
```

## 9.3.4 Footer



- Add a footer for copyright under <main>

```
<footer>
  <!-- copyright --&gt;
  &lt;div class="footer text-center py-3"&gt;@ 2021 Copyright: Choco Lau&lt;/div&gt;
&lt;/footer&gt;</pre>
```

@ 2021 Copyright: Choco Lau



## 9.4 About me



## 9.4 About me: Open HTML file



- Open a new HTML file and name it “About me”
- Copy the <head>, <header>, <nav> and <footer> to it
  - Change the title: `<title>Choco Lau | About me</title>`
- Change the hyperlink of “About me” in <nav> from “#” to “About me.html” in both “Home.html” and “About me.html”

```
<a class="dropdown-item" href="About me.html">About me</a>
```

## 9.4.1 Profile card: Standard



- Save the 1<sup>st</sup> image as “avatar” from [https://www.w3schools.com/bootstrap4/bootstrap\\_cards.asp](https://www.w3schools.com/bootstrap4/bootstrap_cards.asp) and place it in “Image” folder

```
<!-- Profile card -->
<div class="card" style="width:600px; margin:auto;">
  
  <div class="card-body">
    <h4 class="card-title text-center">Choco Lau</h4>
    <div class="card-text">Texts
    </div>
  </div>
</div>
```



## 9.4.2 Profile card: Progress bar



- Add a progress bar to state your programming skills

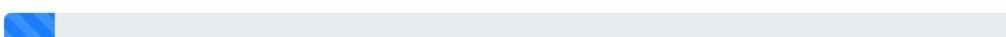
```
<div class="card-text">
  <!-- Programming skills -->
  <strong><i>Programming skills</i></strong><br>
  <p class="text-center">HTML</p>
  <div class="progress">
    <div class="progress-bar bg-success progress-bar-striped" style="width:60%"></div>
  </div>
  <p class="text-center">CSS</p>
  <div class="progress">
    <div class="progress-bar progress-bar-striped" style="width:5%"></div>
  </div>
  <p class="text-center">JS</p>
  <div class="progress">
    <div class="progress-bar bg-warning progress-bar-striped" style="width:1%"></div>
  </div><br>
```

### Programming skills

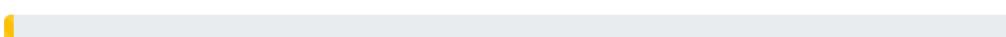
HTML



CSS



JS



## 9.4.3 Profile card: Info



- Add some personal information under the progress bar

```
<!-- Schools attended -->
<strong><ins>Schools attended</ins></strong>
<ul>
    <li>2012-2019 ABC School (Form 1 to Form 6)</li>
</ul>
```

### Schools attended

- 2012-2019 ABC School (Form 1 to Form 6)

## 9.4.3 Profile card: Info



```
<strong><ins>Academic / Professional Qualifications</ins></strong>
<ul>
  <li>2019 Hong Kong Diploma of Secondary Education Examination</li>
  <table class="table table-bordered table-striped">
    <tr>
      <td>Chinese Language</td>
      <td class="text-center">#</td>
      <td>Liberal Studies</td>
      <td class="text-center">#</td>
    </tr>
    <tr>
      <td>English Language</td>
      <td class="text-center">#</td>
      <td>ICT</td>
      <td class="text-center">#</td>
    </tr>
    <tr>
      <td>Mathematics</td>
      <td class="text-center">#</td>
      <td>BAFS</td>
      <td class="text-center">#</td>
    </tr>
  </table>
</ul>
```

### Academic / Professional Qualifications

- 2019 Hong Kong Diploma of Secondary Education Examination

Chinese Language	#	Liberal Studies	#
English Language	#	ICT	#
Mathematics	#	BAFS	#

## 9.4.3 Profile card: Info



```
<strong><ins>Work experience</ins></strong>
<table class="table table-bordered table-striped">
  <thead class="text-center">
    <tr>
      <th>Period</th>
      <th>Organization</th>
      <th>Position</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td class="text-center">2020-present</td>
      <td>ABC Company</td>
      <td class="text-center">Clerk</td>
    </tr>
    <tr>
      <td class="text-center">2019-2020</td>
      <td>CDE Company</td>
      <td class="text-center">Clerk</td>
    </tr>
  </tbody>
</table>
```

### Work experience

Period	Organization	Position
2020-present	ABC Company	Clerk
2019-2020	CDE Company	Clerk



## 9.5 Contact me



## 9.5 Contact me



- Open a new HTML file as “Contact me.html”
- Copy the same <head>, <header>, <nav> and <footer> to it
  - Change the title: `<title>Choco Lau | Contact me</title>`
- Change the hyperlink of “Contact me” in <nav> from “#” to “Contact me.html” in all HTMLs

## 9.5.1 Navigation tab



- Add a navigation tab in <main>

```
<!-- Nav tabs -->
<ul class="nav nav-tabs" role="tablist">
  <li class="nav-item">
    <a class="nav-link active" data-toggle="tab" href="#contact-form">Contact form</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" data-toggle="tab" href="#otherContacts">Other contacts</a>
  </li>
</ul>
```

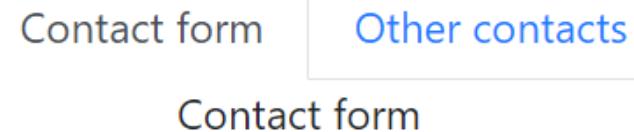
Contact form      Other contacts

## 9.5.2 Tab contents



- Add tab contents under it

```
<!-- Tab contents -->
<div class="tab-content">
  <div id="contact-form" class="container tab-pane active">
    | Contact form
  </div>
  <div id="otherContacts" class="container tab-pane fade">
    | Other contacts
  </div>
</div>
```



## 9.5.3 Tab contents: Contact form



- Replace the text “Contact form” in .tab-content with a real form

```
<div class="tab-content">
  <!-- Contact form -->
  <div id="contact-form" class="container tab-pane active" style="width:500px;">
    <h4 class="text-center">Contact me</h4>
    <form id="contactForm" class="form">
      <label for="contactName">Name</label>
      <input id="contactName" name="contactName" class="form-control"
        placeholder="e.g. Choco Lau" pattern="[a-zA-Z]+" maxlength="30" required>
      <br>
      <label for="email">Email</label>
      <input type="email" class="form-control" id="email" name="email" maxlength="40"
        placeholder="e.g. ABC@email.com" required>
      <br>
      <label for="subject">Subject</label><br>
      <textarea id="subject" name="subject" class="form-control"
        placeholder="Say something.." rows="4" cols="30" required></textarea>
      <br>
      <input type="submit" value="Submit" class="btn btn-primary">
    </form>
  </div>
</div>
```

Contact me

Name

e.g. Choco Lau

Email

e.g. ABC@email.com

Subject

Say something..

Submit

INSTITUTE  
FOR TECHNOLOGY

## 9.5.4 Tab contents: Other contacts



## Company location

- Under the contact form codes
    - Embed a google map
    - Add <address> for website and email

```
<!-- Other contacts -->
<div id="otherContacts" class="container tab-pane fade text-center">
    <!-- Google map -->
    <h4>Company location</h4>
    <iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d118089.09234577093!1w=400!1h300!1t0!3m3!1e1!3m2!1i1024!2i512!4f13.1!3m1!1s%E5%8D%8A%E5%AD%A3%E5%8A%A0%E5%80%BC!4m2!1m1!2m1!1s%E5%8D%8A%E5%AD%A3%E5%8A%A0%E5%80%BC!5m2!1m1!2m1!1s%E5%8D%8A%E5%AD%A3%E5%8A%A0%E5%80%BC" style="border:0;" allowfullscreen="" loading="lazy"></iframe>
    <address>
        Visit us at: <a href="https://www.krystal.institute/"> Krystal Institute</a><br>
        Email: <a href="mailto:ABC@email.com">ABC@email.com</a>
    </address>
</div>
```



Visit us at: Krystal Institute

Email: ABC@email.com



# 9.6 Blog



## 9.6 Blog



- Open a new HTML file as “Blog.html”
- Copy the same <head>, <header>, <nav> and <footer> to it
  - Change the title: `<title>Choco Lau | Blog</title>`
- Change the hyperlink of “Blog” in <nav> from “#” to “Blog.html” in all HTMLs

## 9.6.1 Blog: What a great day!



- Add a `<section>` in `<main>` with an `<article>`

```
<section>
  <!-- What a great day! -->
  <a id="post-002" href="#">
    <article class="container border row">
      
      <div class="col-8 pt-4">
        <h4>What a great day!</h4>
        <p class="row col-9">Today, I've been...</p>
        <time datetime="2021-05-19">19 May, 2021</time>
      </div>
      <div class="col-1 pt-4">
        <span class="bi bi-eye-fill">3</span>
        <span class="bi bi-chat-left-text-fill">0</span>
      </div>
    </article>
  </a>
</section>
```



What a great day!

Today, I've been...

19 May, 2021

03 0



## 9.6.2 Blog: My first post!



- Add another article in <section> under “ What a great day!”

```
<!-- My first post! -->
<a id="post-001" href="#">
  <article class="container border row">
    
    <div class="col-8 pt-4">
      <h4>My first post!</h4>
      <p>Hi guys, nice to...</p>
      <time datetime="2021-05-10">10 May, 2021</time>
    </div>
    <div class="col-1 pt-4">
      <span class="bi bi-eye-fill">10</span>
      <span class="bi bi-chat-left-text-fill">2</span>
    </div>
  </article>
</a>
```



My first post!

Hi guys, nice to...

10 May, 2021

©10 2

## 9.6.3 Blog: Open HTML file



- Open a new HTML file as “post001.html”
- Copy the same <head>, <header>, <nav> and <footer> to it
  - Change the title: <title>Choco Lau | My first post!</title>
- Change the hyperlink of “My first post!” in <article> from “#” to “post001.html”

```
<!-- My first post! -->
<a id="post-001" href="post001.html">
```

## 9.6.4 Blog: My first post!

- Add a container in <main> for the article

```
<div class="container">
  <h4>My first post!</h4>
  <div class="row">
    <span class="pl-3 pr-5">
      <time datetime="2021-05-10">10 May, 2021</time>
    </span>
    <span class="bi bi-eye-fill pr-3">10</span>
    <span class="bi bi-chat-left-text-fill">2</span>
  </div>
  
  <p>Hi guys, nice to meet you! I am a tutor. Krystal Inst</p>
</div>
```



### My first post!

10 May, 2021

10 2



Hi guys, nice to meet you! I am a tutor. Krystal Inst  
digital divide. We educate the public on knowle  
providing open-source technology that enable

## 9.6.5 Blog: Media objects



- Add a comment section under the article

```
<!-- Comments -->
<div class="container mt-3">
  <h5>Comments</h5>
  <div class="media border p-3">
    
    <div class="media-body">
      <h6>Stranger 1 <small><i>Posted on May 11, 2021</i></small></h6>
      <p>Wow</p>
    </div>
  </div>
</div>
```

Comments



Stranger 1 *Posted on May 11, 2021*

Wow



## 9.6.5 Blog: Media objects



- Add another comment within the last comment

```
<div class="container mt-3">
  <h5>Comments</h5>
  <!-- Comment 1 -->
  <div class="media border p-3">
    
    <div class="media-body">
      <h6>Stranger 1 <small><i>Posted on May 11, 2021</i></small></h6>
      <p>WoW</p>
    <!-- Comment 2 -->
    <div class="media p-3">
      
      <div class="media-body">
        <h6>Stranger 2 <small><i>Posted on May 12, 2021</i></small></h6>
        <p>WoW WoW</p>
      </div>
    </div>
  </div>
</div>
```



Stranger 1 *Posted on May 11, 2021*

WoW



Stranger 2 *Posted on May 12, 2021*

WoW WoW

# Reference



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