



前端網絡開發人員證書

1. Introduction to CSS I

Presented by Krystal Educational Platform



Copyright © Krystal Institute Ltd 2022
Do not copy or distribute





Learning outcomes



Copyright © Krystal Institute Ltd 2022
Do not copy or distribute



Learning outcomes

- In this course, you are going to learn:
 - ✓ Basic usage of CSS
 - ✓ Advanced usage of CSS
 - ✓ Create a simple website with CSS

Learning outcomes

- In this lesson, you are going to learn:
 - ✓ What is HTML?
 - ✓ Front- end
 - ✓ What is CSS?
 - ✓ Why CSS?



1.1 What is HTML?



Copyright © Krystal Institute Ltd 2022
Do not copy or distribute



1.1 What is HTML?

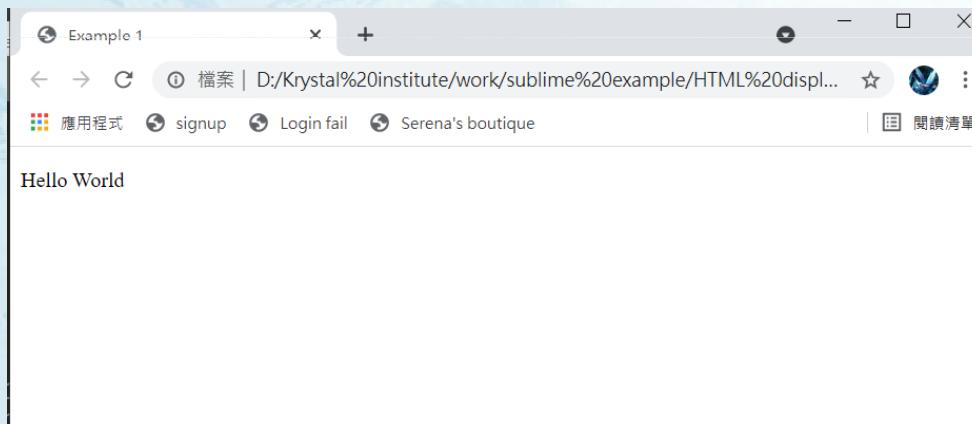


- Hyper Text Markup Language
- Standard markup language to create websites
- create an interface for user to see

1.1 What is HTML?



- Can only define structure of sections
- However, it is needed for showing the display



HTML can display
some words
without formatting

1.1 What is HTML?



➤ HTML include different type of tags(**text**):

- <a> ...
- <p> ... </p>
- <h1> ... </h1> - <h6>... </h6>
- ...

1.1 What is HTML?



➤ HTML include different type of tags(**sections**):

- <DIV> ... </DIV>
- ...
- ...
- ...

1.1 What is HTML?



- HTML include different type of tags(**Table**):
 - <TABLE> ... </TABLE>
 - <TH> ... </TH>
 - <TD> ... </TD>

1.1 What is HTML?



- HTML include different type of tags(**Form**):
 - <FORM> ... </FORM>
 - <INPUT TYPE="VALUE" >
 - <LABEL> ... </LABEL>

1.1 What is HTML?



- For those tags mentioned in previous slides, we can use CSS to specific their style
- HTML can provide the basic structure of a webpage which we need CSS to create a better interface



• 1.2 Front-end

1.2 Front-end



- ✓ Related to HTML, CSS, JavaScript, Web browser
 - HTML: windows to display contents
 - CSS: styling of the contents
 - JavaScript: programs to be ran on the website

1.2 Front-end



- ✓ Front-end developer mainly focus on the webpage design
 - How to display information in a clear way
 - How can interact with users

1.2 Front-end



✓ Examples: Facebook

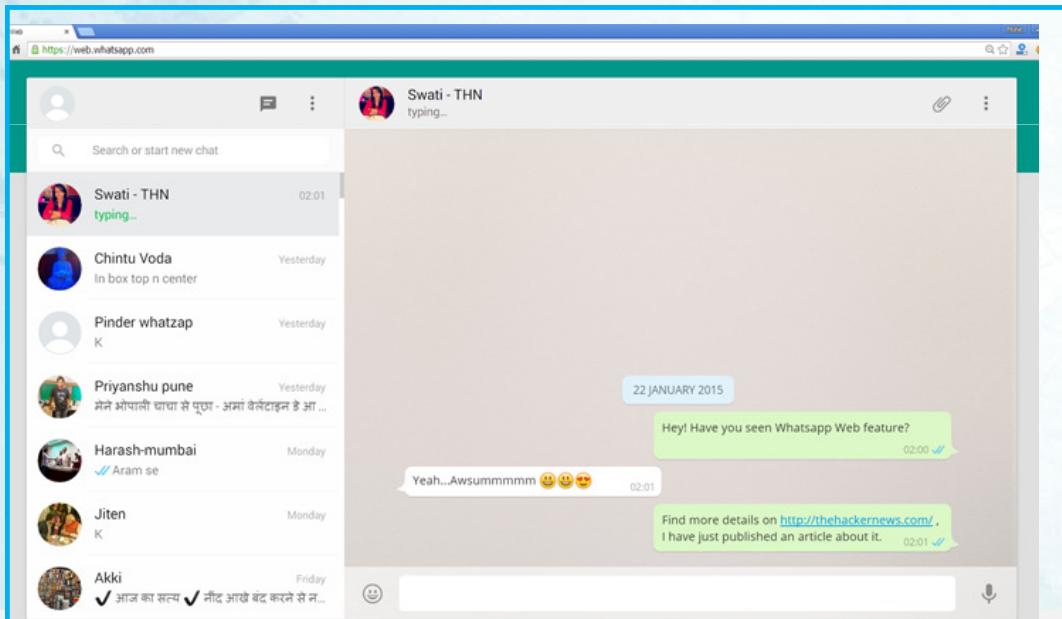


- When you log in to the Facebook website, your personal information will be displayed
- Front-end developer only design the alignment of information
- Back-end developer need to design how to retrieve data from server

1.2 Front-end



✓ Example: WhatsApp



Front end developer need to **design** the ways to **show the conversation** instead of how to **retrieve** contact list or conversation



• 1.3 What is CSS?

1.3 What is CSS?



- Cascading Style Sheets
- Design language
- Define how the HTML elements to be displayed
 - ◆ Colors
 - ◆ Position
 - ◆ Font size
 - ◆ Spacing
- Cooperate with HTML

1.3 What is CSS? Examples



A screenshot of a computer interface demonstrating CSS styling. On the left, a Sublime Text window shows the file "CSS example1.html" with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Example 1</title>
5 </head>
6 <body>
7
8 <p style="color: blue;">Hello World</p>
9
10 </body>
11 </html>
12 |
```

The line containing the CSS rule "color: blue;" is highlighted with a yellow box and has a yellow arrow pointing to the browser preview window on the right. The browser window displays the word "Hello World" in blue text. The browser's address bar shows the path "D:/Krystal%20institute/work/sublir".

1.3 What is CSS?



- Also, for CSS, we can :
 - ✓ use it to specify some of the display of the website
 - ✓ make a website to be active
- For example, we can create an interactive button which users click on it may have some animation.

1.3 What is CSS? Example(basic)



You are going to learn the following styles in the coming lessons

This is red

This is orange

This is yellow

This is green

This is blue

This is purple

This is the first line!

This is the second line!

This is the third line!

This is the fourth line!

1.3 What is CSS?

Example(advanced_ *active style*)



Advanced usage of CSS:

This is the first line!(Link to google!)

This is the second line!(Link to Yahoo!)

This is the first line!(Link to google!)

This is the second line!(Link to Yahoo!)

Active style
of links

1.3 What is CSS?

Example(advanced_ active table)



Advanced usage of CSS:

Firstname	Lastname
Peter	Chan
Mary	Law
John	Hui
Michael	Fung

Firstname	Lastname
Peter	Chan
Mary	Law
John	Hui
Michael	Fung

Active style
of table

1.3 What is CSS? Example(advanced_ forms)



Advanced usage of CSS:

Name:

Please input your name

Gender:

M F

How old are you?

15-25 26-35 36-45 46-55 56-65

What is your favourite fruit?

Apple

Submit

Name:

Please input your name

Gender:

M F

How old are you?

15-25 26-35 36-45 46-55 56-65

What is your favourite fruit?

Apple
Orange
Lemon
Pineapple

Submit

forms

1.3 What is CSS?



- As shown in previous slide, other than formatting of elements, CSS can also provide simple animated effects



• 1.4 Why CSS?

1.4 Why CSS?



Benefit of CSS:

1. Save times
2. Easy maintenance
3. Avoid duplication
4. Multiple device compatibility
5. Simple code

1.4 Why CSS?

1. Save times



- Developer can reuse the same design in same website
- No need to type in the code again and again

1.4 Why CSS?

2. Easy maintenance



- Developer can make global changes
- All elements using the same style will automatically updated

1.4 Why CSS?

3. avoid duplication



- Developer no need to copy the code into different lines to show the same effect
- It can reduce the chances of making mistakes
- It can also keep its consistency

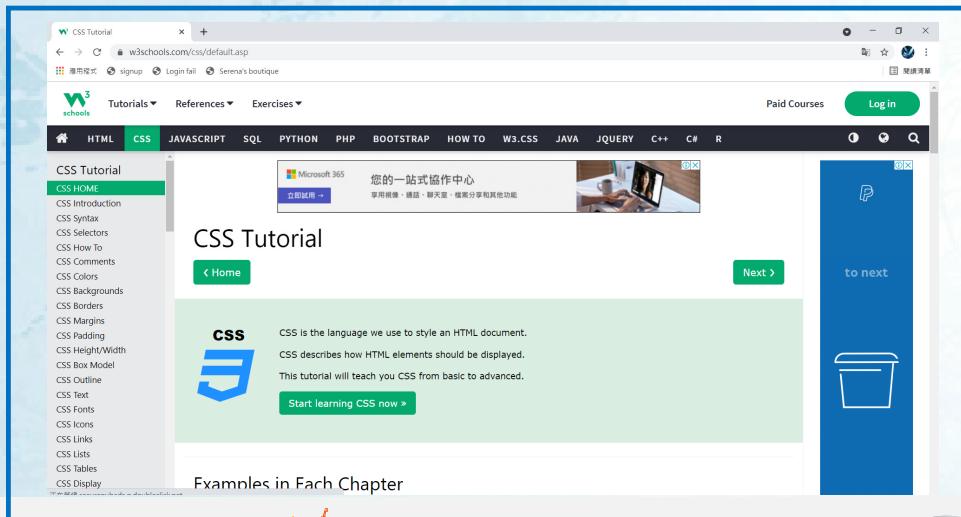
1.4 Why CSS?

4. multiple device compatibility



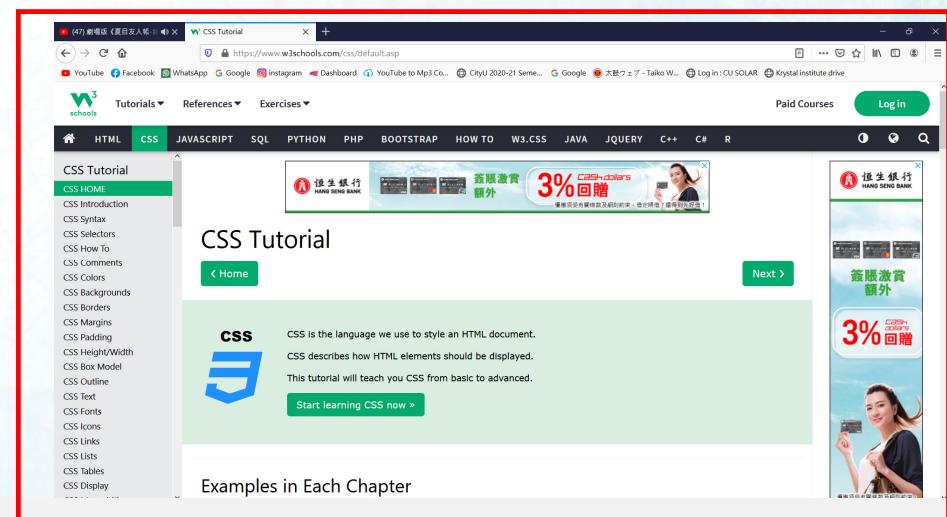
- Most of the browser/ device support CSS
- Still can display similar result in different device

Google Chrome



A screenshot of the w3schools.com/css/default.asp page in Google Chrome. The page title is "CSS Tutorial". On the left, there's a sidebar with a "CSS HOME" button highlighted. The main content area shows a "CSS Tutorial" section with a "Start learning CSS now" button. A sidebar on the right says "Examples in Each Chapter". At the top, there's a Microsoft 365 advertisement.

Firefox



A screenshot of the same w3schools.com/css/default.asp page in Firefox. The layout is identical to the Google Chrome version, showing the "CSS HOME" sidebar, the "CSS Tutorial" content, and the "Examples in Each Chapter" sidebar. The Microsoft 365 advertisement at the top is also present.

1.4 Why CSS? 5. simple code



- Most of the syntax follow the grammar of English
- It is easier to learn in compare with other language
- Moreover, it can provide various functions rather than just change text color or background color

1.4 Why CSS?

5. simple code_ example



- Here are some of the examples

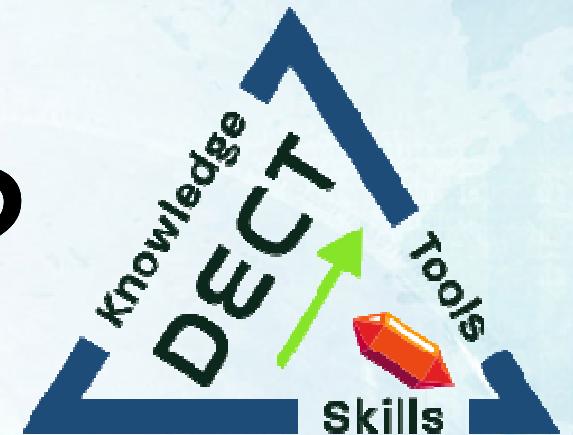
```
.first{  
    background-color:yellow;  
    font-size: 30px;  
    font-style:normal;  
}
```

```
.second{  
    background-color:orange;  
    font-size:1.875em;  
    font-style:italic;  
}
```

```
.four{  
    background-color:lightgreen;  
}
```



Any Questions?



Copyright © Krystal Institute Ltd 2022
Do not copy or distribute





Quiz time



Quiz time

Question 1



1. What is HTML stand for?

- a. Hyper Text Markup Language
- b. Hyper Text Makeup Language
- c. HappyText Makeup Language
- d. Hyper Test Markup Language

Quiz time

Question 2



2. What are the tags can be specify with CSS style? Please state out 3 of them.

Answer:

- `<a> ... ` / `<p> ... </p>` / `<h1> ... </h1>` - `<h6> ... </h6>`
- `<DIV> ... </DIV>` / ` ... ` / ` ... ` / `...`
- `<TABLE>...</TABLE>` / `<TH>...</TH>` / `<TD>...</TD>`
- `<FORM>...</FORM>` / `<LABEL> ...</LABEL>`
- Any 3 of the above

Quiz time

Question 3



3. What is front-end developer ?

- ① Developer who focus on backstage
- ② Developer who focus on retrieving data
- ③ Developer who focus on designing the user interface
- ④ Developer who focus on webpage design
 - a. 1 and 2 only
 - b. 2 and 4 only
 - c. 3 and 4 only
 - d. None of the above

Quiz time

Question 4



4. What is CSS stand for?

- a. Cumulative Simulation Sheets
- b. Calculation Spread Sheets
- c. Cascading Style Sheets
- d. Computer Spread Style

Quiz time

Question 5



5. What is CSS?

- a. Programming Language
- b. Design Language
- c. Computer Language
- d. Hyper Text Markup Language

Quiz time

Question 6



6. What is the benefits of using CSS?

- ① Easy maintenance
- ② Use less time
- ③ Can be used independently (without using other language)
- ④ Can be supported by most of the browser
 - a. 1,2, and 4 only
 - b. 1,3, and 4 only
 - c. 2,3, and 4 only
 - d. All of the above



Reference



Copyright © Krystal Institute Ltd 2022
Do not copy or distribute



Reference



There are the useful websites for reference:

1. <https://www.w3schools.com/css/>
2. <https://progressbar.tw/posts/295>
3. https://webplatform.github.io/docs/tutorials/learning_why_we_use_css/
4. https://www.tutorialspoint.com/css/what_is_css.htm