JavaScript & Web

HTML, CSS and Intro to programming

Week 1

人生第一個 HTML

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>My Page</title>
</head>
<body>
    <h1>Hello, JavaScript</h1>
    <a href="google.com">Goto Google</a>
</body>
</html>
```

你看到了什麼?

```
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    <a href="google.com">Goto Google</a>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <!-- Head -->
</head>
<body>
    <!-- Body -->
</body>
</html>
```

樹狀結構

- · html
 - · head
 - · meta
 - · title
 - · body
 - · h1
 - ·a



HTML標記結構

- ·標記 —
- ·屬性
- ·文字 一 這就是文字 XDDD
- · 單一標記
/ hr>,

- · 一段 文字
- · 換行
問記
- · 試試看
 會換行

換行照著打 觀察看看!

•

```
• 
    AAAA
    >BBBB
```

•
 AAAA
 > BBBB

```
<form>
 <div>
 <!-- div 用來分格不同區塊,或是配合css做造型 -->
   <label for="myname">
     姓名:
     <input type="text" id="myname">
   </label>
 </div>
 <div>
   <label for="message">
     訊息:
     <textarea id="message"></textarea>
   </label>
 </div>
 <div>
   <button>確定</button>
 </div>
</form>
```

```
<script>
  alert("Hello, JavaScript!");
</script>
<style>
  body {
    background: black;
    color: white;
</style>
```

Basic CSS



發生錯誤,無法接聽指令。 重新啟動指令接聽功能說明 啟動字詞偵測功能已關閉。 開始接聽「Ok Google」指令

「Google 互動智慧搜尋」目前無法使用,請按 Enter 鍵搜尋。 <u>瞭解詳情</u> 由於連線速度緩慢,「Google 互動智慧搜尋」已關閉。請按 Enter 鍵搜尋。 按下 Enter 鍵進行搜尋。

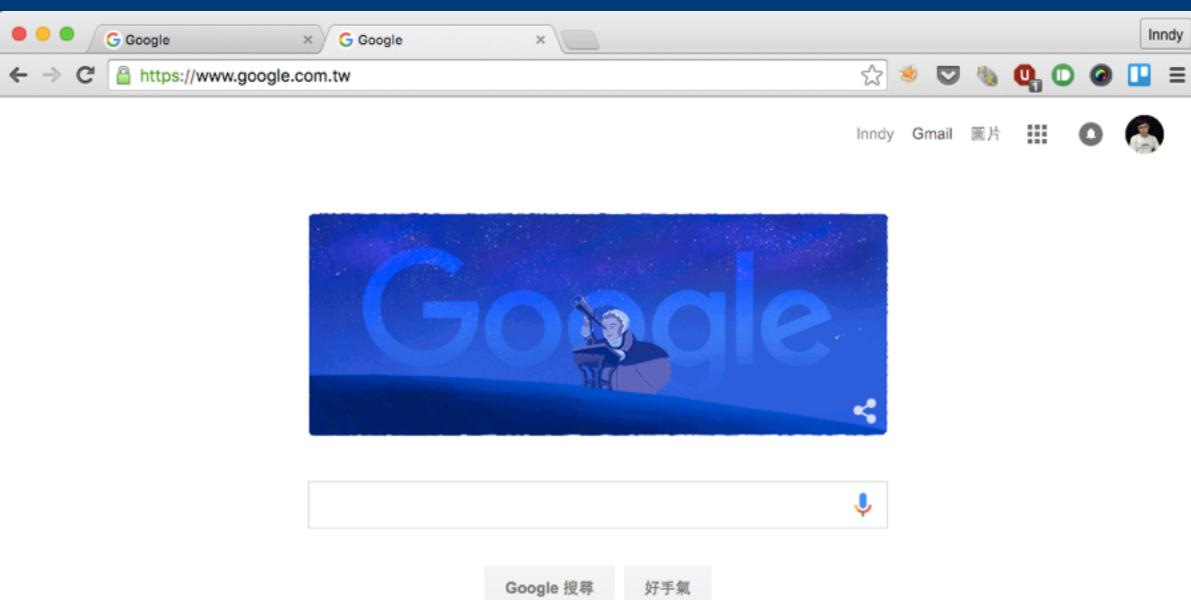
Google 搜尋 【 好手氣 】

X



廣告 商業 Google 完全手冊

隱私權 服務條款 設定



Inndy

Google 完全手册 隱私權 服務條款 設定 廣告 商業

差很多吧?

CSS -- 選擇器

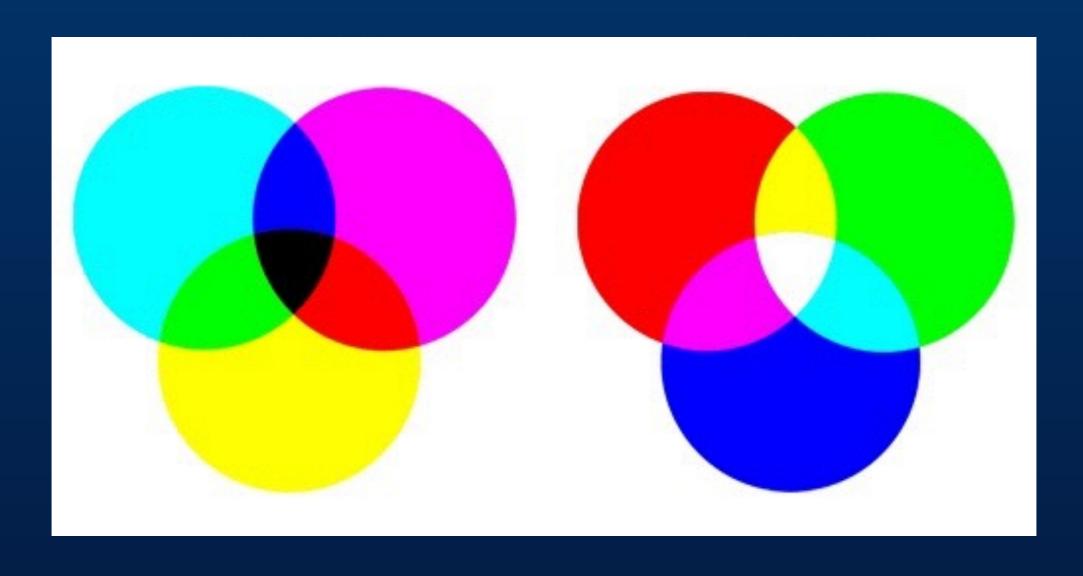
```
使用 id 指定,一個 html 內不能有兩個相同的 id
#element-id { /* ... */ }
使用 class 指定
\cdot class-name { /* \cdot · · · */ }
多個 class 都要有
.class.and-class { /* ... */ }
所有的文字段落 p
p { /* ... */ }
div 裡面的 p
div p { /* ... */ }
```

CSS -- 選擇器

```
body {
  color: red;
  background-color: black;
}
 font-size: 200%;
h1 {
  font-size: 160%;
```

CSS -- 色彩

CMYK:色減法 RGB:色加法



CSS -- 色彩

```
.strange-color {
    /* 以下這三個顏色是一樣的 */
    color: #123;
    color: #112233;
    color: rgb(17, 34, 51);
}
```

好用的調色盤: https://color.adobe.com/

CSS -- 字體

```
p {
 /* 設定字體 */
  font-family: "Noto Sans CJK TC", sans-
serif;
 /* 設定大小 */
 font-size: 32px;
 /* 底線 */
 text-decoration: underline;
 /* 粗體 */
  font-weight: bold;
```

CSS -- BoxModel

```
div.cool {
  margin: 2em 4em 8em 16em;
  border: 4px 8px 12px 16px solid red;
  padding: 24px 48px;
  background-color: green;
}
```

CSS -- BoxModel

margin: 外邊距

border: 外框線

padding: 內距

這是內容

Δ	:active	additive-symbols	::after (:after)	align-content	align-items	align-self	all
<angle></angle>	animation	animation-delay	animation-direction	animation-duration	animation-fill-mode	animation-iteration-count	animation-name
animation-play-state	animation-timing-function	@annotation	annotation()	attr()	В	::backdrop	backface-
visibility	, , , , , , , , , , , , , , , , , , ,						
background	background-attachment	background-blend-mode	background-clip	background-color	background-image	background-origin	background-
position							
background-repeat	background-size	<basic-shape></basic-shape>	::before (:before)	<ble><ble><bre><bre></bre></bre></ble></ble>	block-size	blur()	border
border-block-end	border-block-end-color	border-block-end-style	border-block-end-width	border-block-start	border-block-start-color	border-block-start-style	border-block-
start-width							
border-bottom	border-bottom-color	border-bottom-left-radius	border-bottom-right-radius		border-bottom-width	border-collapse	border-color
border-image	border-image-outset	border-image-repeat	border-image-slice	border-image-source	border-image-width	border-inline-end	border-inline-
end-color border-inline-end-style	border-inline-end-width	border-inline-start	border-inline-start-color	border-inline-start-style	border-inline-start-width	border-left	border-left-
color	border-Intilie-end-width	border-incline-scarc	border-Intilie-Start-Cotor	border-Incline-Start-Style	border-Intilie-Start-width	border-tert	border-tert-
border-left-style	border-left-width	border-radius	border-right	border-right-color	border-right-style	border-right-width	border-spacing
border-style	border-top	border-top-color	border-top-left-radius	border-top-right-radius	border-top-style	border-top-width	border-width
bottom	box-decoration-break	box-shadow	box-sizing	break-after	break-before	break-inside	brightness()
C	calc()	caption-side	ch	@character-variant	<pre>character-variant()</pre>	@charset	:checked
circle()	clear	clip	clip-path	cm	color	<color></color>	column-count
column-fill	column-gap	column-rule	column-rule-color	column-rule-style	column-rule-width	column-span	column-width
columns	content	contrast()	<counter></counter>	counter-increment	counter-reset	@counter-style	cubic-bezier()
cursor	<custom-ident></custom-ident>	D	:default	deg	:dir()	direction	:disabled
display	dpcm	dpi	dppx	drop-shadow()	E	element()	ellipse()
em	:empty	empty-cells	:enabled	ex	F	fallback	filter
:first	:first-child		ter)::first-line (:first-line		flex	flex-basis	flex-direction
flex-flow	flex-grow	flex-shrink	flex-wrap	float	:focus	font	@font-face
font-family (property)	font-family (descriptor)	font-feature-settings (pro	perty)font-feature-settings ((descriptor)@font-feature-val	ues font-kerning	font-language-ov	erride font-
size font-size-adjust	font-stretch (property)	font-stretch (descriptor)	font-style (property)	font-style (descriptor)	font-synthesis	font-variant (property)	font-variant
(descriptor)	Tont-Stretch (property)	Tonit-Stretch (descriptor)	Tonit-Style (property)	Tont-Style (descriptor)	TOTIC-SYTTCHESTS	Tont-variant (property)	TOTIL - VALITATIL
font-variant-alternates	font-variant-caps	font-variant-east-asian	font-variant-ligatures	font-variant-numeric	font-variant-position	font-weight (property)	font-weight
(descriptor)	Tone-variant-caps	Tone-varianc-case-asian	Tone-variant-tigatures	Tone-varianc-nameric	Tone-variant-position	Tone-weight (property)	Tone-weight
<frequency></frequency>	:fullscreen	G	grad	<gradient></gradient>	grayscale()	grid	grid-area
grid-auto-columns	grid-auto-flow	grid-auto-rows	grid-column	grid-column-end	grid-column-gap	grid-column-start	grid-gap
grid-row	grid-row-end	grid-row-gap	grid-row-start	grid-template	grid-template-areas	grid-template-columns	grid-template-
rows	3 a	3 · - · · · 3- P	g · · · · · · · · ·	3 a	3	g. =	g. = a = a = a = a
Н	height	height	:hover	hsl()	hsla()	hue-rotate()	hyphens
hz	I	<image/>	image()	image-orientation	image-rendering	image-resolution	ime-mode
@import	in	:in-range	:indeterminate	inherit	initial	inline-size	inset()
<integer></integer>	:invalid	invert()	isolation	J	justify-content	K	@keyframes
khz	L	:lang()	:last-child	:last-of-type	left	:left	<length></length>
letter-spacing	line-break	line-height	linear-gradient()	:link	list-style	list-style-image	list-style-
position							
list-style-type	М	margin	margin-block-end	margin-block-start	margin-bottom	margin-inline-end	margin-inline-
start							
margin-left	margin-right	margin-top	mask	mask-clip	mask-composite	mask-image	mask-mode
mask-origin	mask-position	mask-repeat	mask-size	mask-type	matrix()	matrix3d()	max-block-size
max-height	max-height	<pre>max-inline-size min-inline-size</pre>	max-width	max-width	max-zoom	@media	min-block-size
min-height	min-height ms	N N	min-width	min-width	min-zoom	<pre>minmax() :nth-child()</pre>	<pre>mix-blend-mode :nth-last-</pre>
mm child()	IIIS	IN .	@namespace	negative	:not()	:IItii-Ciiitu()	:IIIII- Last-
:nth-last-of-type()	:nth-of-type()	<number></number>	0	object-fit	object-position	offset-block-end	offset-block-
start	Then or eype()	- Trainber	Ü	object iit	object position	orrace beock end	orrace brock
offset-inline-end	offset-inline-start	:only-child	:only-of-type	opacity	opacity()	:optional	order
orientation	@ornaments	ornaments()	orphans	:out-of-range	outline	outline-color	outline-offset
outline-style	outline-width	overflow	overflow-wrap	overflow-x	overflow-y	P	pad
padding	padding-block-end	padding-block-start	padding-bottom	padding-inline-end	padding-inline-start	padding-left	padding-right
padding-top	@page	page-break-after	page-break-before	page-break-inside	рс	<pre><percentage></percentage></pre>	perspective
perspective()	perspective-origin	pointer-events	polygon()	position	<position></position>	prefix	pt
px	Q	quotes	R	rad	radial-gradient()	range	<ratio></ratio>
:read-only	:read-write	rect()	rem				resize
<resolution></resolution>	revert	rgb()	rgba()	:right	right	:root	rotate()
rotate3d()	rotatex()	rotatey()	rotatez()	ruby-align	ruby-merge	ruby-position	S
S	saturate()	scale()	scale3d()	scalex()	scaley()	scalez()	:scope
scroll-behavior	scroll-snap-coordinate	scroll-snap-destination	scroll-snap-type	::selection	sepia()	<shape></shape>	shape-image-
threshold shape-margin	shape-outside	skew()	skewx()	skewy()	speak-as	src	steps()
<pre><string></string></pre>	@styleset	styleset()	@stylistic	stylistic()	suffix	@supports	@swash
swash()	symbols	symbols()	system	T	tab-size	table-layout	:target
text-align	text-align-last	text-combine-upright	text-decoration	text-decoration-color	text-decoration-line	text-decoration-style	text-emphasis
text-emphasis-color	text-emphasis-position	text-emphasis-style	text-indent	text-orientation	text-overflow	text-rendering	text-shadow
text-transform	text-underline-position	<time></time>	<pre><timing-function></timing-function></pre>	top	touch-action	transform	transform-box
<transform-function></transform-function>	transform-origin	transform-style	transition	transition-delay	transition-duration	transition-property	transition-
timing-function							
translate()	translate3d()	translatex()	translatey()	translatez()	turn	U	unicode-bidi
unicode-range	:unresolved	unset	<url></url>	url()	user-zoom	V	:valid
var()	vertical-align	vh	@viewport	visibility	:visited	vmax	vmin
vw	W	white-space	widows	width	width	will-change	word-break
word-spacing	word-wrap	writing-mode	XYZ	z-index	zoom	Others	*

Google 是你的良師益友

JavaScript!

首先我要先澄清幾件事



Java? JavaScript!

Dog!= Hot Dog

編譯語言

Python / Ruby / JavaScript

C++ / VisualBasic / Java

直譯語言

網路上有很多的資源

但是不管怎樣絕對不要看 W3Schools

inndy.tw/w3s-hider

程式?

- ·給電腦一連串的指令
 - ·機器人往前走十公尺
 - ·往左轉
 - ·倒退五公尺

程式?

- ·讀取一個數字
- · 把數字除以100
- ·印出這個數字

事件驅動

- Event-driven
 - ·按下按鈕的時候,跳到Google
 - ·按下按鍵的時候,換掉網頁背景色
- button.onclick = function() {
 location.href = "google.com";
 };